



September 20, 2004

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SEP 20 2004

Federal Communications Commission
Office of Secretary

BY MESSENGER

Marlene H. Dortch
Secretary
Federal Communications Commission
Office of the Secretary
445 12th Street, SW
Washington, DC 20054

Re: Notice of Ex Parte Presentation
In the Matter of Inquiry Into Over the Air Broadcast Television Viewers
MB 04-210

Dear Ms. Dortch,

The Digital Transition Coalition ("Coalition" or "DTC") hereby makes this *ex parte* written presentation in the above-captioned proceeding. The DTC comprises consumer organizations, taxpayer groups, technology providers, and other interested parties dedicated to expediting the transition to a digital future.

The Coalition's members have a direct interest in the immediate availability of network digital television service in high definition to all consumers nationwide, and the broadcasters' timely return of their "analog" spectrum. Upon completion of the transition, part of the returned spectrum would be redeployed to the nation's first responders to improve homeland security. The rest would be auctioned off, raising tens of billions of dollars, to make available new advanced services, or to promote unlicensed uses. For this reason, the Coalition has been closely monitoring the progress of the DTV transition.

In their comments, the National Association of Broadcasters ("NAB") and the Association for Maximum Service Television ("MSTV") have claimed that "[b]roadcasters have met the challenge of the conversion to DTV [digital television]" and that "[t]he transmission side of the DTV equation has been built," citing the NAB's own statistics on the number of full power DTV stations, the number of markets covered, and the percentage of households in markets that have a certain number of DTV stations. *See* NAB/MSTV Comments at 7 (filed Aug. 11, 2004).



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In their comments, the National Association of Broadcasters ("NAB") and the Association for Maximum Service Television ("MSTV") have claimed that "[b]roadcasters have met the challenge of the conversion to DTV [digital television]" and that "[t]he transmission side of the DTV equation has been built," citing the NAB's own statistics on the number of full power DTV stations, the number of markets covered, and the percentage of households in markets that have a certain number of DTV stations. See NAB/MSTV Comments at 7 (filed Aug. 11, 2004).

The Commission should evaluate these claims in light of the more granular, state-by-state DTV coverage maps that Primus Geographics has generated on behalf of the DTC using publicly available FCC information on DTV broadcast stations and OET guidelines for DTV coverage profiles. *See* Attachment A (methodology), Attachment B (summary data) and Attachment C (maps). Primus has used the point-to-point Longley-Rice version of the methodology to determine the Grade B contours of the digital signals of every network station, and then mapped these contours over the 2003 projected Census data.

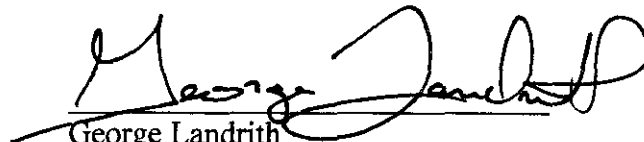
The maps and accompanying data depict a very different picture than the optimistic one reflected in the NAB filing. They make clear that as many as 36% of American consumers – over 39 million households – and many regions of the United States remain unserved by the digital television signal of one or more of their local network stations. Among the illuminating findings:

- 36.1% of households (over 39 million) cannot receive digital service from at least one of the network broadcasters. More specifically:
 - 19% of households (over 20 million) are receiving digital service from only 3 digital network broadcasters
 - 5.8% of households (over 6 million) are receiving digital service from only 2 digital network broadcasters
 - 6.2% of households (over 6 million) are receiving digital service from only 1 digital network broadcaster
 - 5.1% of households (over 5 million) cannot receive digital service from any network broadcaster at all

The proportion of unserved households is even more alarming in the most sparsely populated states – typically states with a disproportionate number of rural households. In the 10 states with the fewest households, a full 74.2% of these households are unserved by at least one of their local network stations. These maps and data thus illustrate graphically the distance that still needs to be traversed to achieve the goals of the DTV transition.

Please contact Adam Bromberg on (703) 683-5004 (ext. 102) if you have any queries about the maps and information submitted.

Respectfully submitted,


George Landrith
For the Digital Transition Coalition

cc:
John Berresford, Media Bureau, FCC

Digital Transition Coalition

MB 04-210

September 20, 2004

ATTACHMENT A

**METHODOLOGY
FOR DIGITAL TELEVISION
COVERAGE MAPS**

METHODOLOGY FOR DIGITAL TV
COVERAGE MAPS

All digital television (DTV) broadcast station data used to prepare the Digital Television (DTV) coverage profiles were based on information downloaded from the FCC website (www.fcc.gov) on July 22, 2004.

Specific engineering information such as longitude, latitude, Effective Radiated Power (ERP), Radiation Center Above-Ground Level (RCAGL), DTV channel number and antenna pattern was based on the most recent license or STA information submitted by the station. The decibel Planner RF planning tool (v2.6) was used to generate the DTV coverage profiles using 3 arc-sec (90m) terrain data and the point-to-point Longley-Rice propagation terrain-dependent model.

DTV coverage profiles were generated using the guidelines set forth in Office of Engineering and Technology (OET) Bulletin 69, such as Longley-Rice propagation default settings and field strength limits, in dBu, per VHF and UHF bands. Longley-Rice parameters such as surface refractivity and conductivity were modified by region of the United States. Azimuth antenna patterns provided by the FCC website were downloaded and converted from percent power to power gain in decibels for use in the decibel Planner RF planning tool.

Once the coverage profiles were generated, the contours were mapped over block group-level data on the number of households based on the Bureau of the Census household demographics statistics for January 2003. Each block group consists of an average of 523 households. These households were counted as served or unserved based on the station's signal strength at the centroid of the block group.

Primus Geographics Inc.
www.primusgeographics.com

ATTACHMENT B

SUMMARY DATA

STATE	Households		%		Households		%		Households		%		Households		%		Households		%	
	Receiving 0		Receiving 0		Receiving 1		Receiving 1		Receiving 2		Receiving 2		Receiving 3		Receiving 3		Receiving 4		Receiving 4	
	Households	Stations	Households	Stations	Households	Stations	Households	Stations	Households	Stations	Households	Stations	Households	Stations	Households	Stations	Households	Stations	Households	Stations
Wyoming	200,222	112,563	56.22%		23,721	11.85%			34,662	17.31%			29,276	14.62%			0	0.00%		
Alaska	232,115	200,923	86.56%		31,192	13.44%			0	0.00%			0	0.00%			0	0.00%		
Vermont	249,229	233,118	93.54%		11,221	4.50%			1,751	0.70%			3,139	1.26%			0	0.00%		
District of Columbia	251,364	0	0.00%		0	0.00%			0	0.00%			0	0.00%			251,364	100.00%		
North Dakota	257,182	89,478	34.79%		57,446	22.34%			110,258	42.87%			0	0.00%			0	0.00%		
South Dakota	297,016	25,613	8.62%		40,902	13.77%			120,329	40.51%			88,703	29.86%			21,469	7.23%		
Delaware	315,022	0	0.00%		53,918	17.12%			26,142	8.30%			180,815	57.40%			54,147	17.19%		
Montana	367,048	113,705	30.98%		75,319	20.52%			73,893	20.13%			57,246	15.60%			46,885	12.77%		
Hawaii	423,904	147,371	34.77%		35,799	8.45%			37,747	8.90%			202,987	47.89%			0	0.00%		
Rhode Island	425,371	0	0.00%		0	0.00%			444	0.10%			19,716	4.64%			405,211	95.26%		
SMALLEST 10	3,018,473	922,771	30.57%		329,518	10.92%			405,226	13.42%			581,882	19.28%			779,076	25.81%		
Idaho	497,571	58,142	11.69%		79,384	15.95%			81,723	16.42%			259,623	52.18%			18,699	3.76%		
New Hampshire	502,749	71,795	14.28%		58,326	11.60%			60,580	12.05%			68,062	13.54%			243,986	48.53%		
Maine	541,687	29,830	5.47%		52,853	9.76%			71,569	13.21%			378,153	69.81%			9,482	1.75%		
Nebraska	680,852	71,312	10.47%		73,063	10.73%			37,181	5.46%			23,764	3.49%			475,532	69.84%		
New Mexico	707,035	154,712	21.88%		75,872	10.73%			86,943	12.30%			5,564	0.79%			383,944	54.30%		
Utah	741,654	147,514	19.89%		34,295	4.62%			38,522	5.19%			521,323	70.29%			0	0.00%		
West Virginia	747,594	202,881	27.14%		195,514	26.15%			154,238	20.63%			76,048	10.17%			118,913	15.91%		
Nevada	838,582	43,885	5.23%		11,207	1.34%			7,654	0.91%			60,880	7.26%			714,956	85.26%		
Kansas	1,056,907	78,396	7.42%		102,028	9.65%			88,650	8.39%			193,314	18.29%			594,519	56.25%		
Arkansas	1,074,826	63,207	5.88%		153,748	14.30%			92,806	8.63%			350,464	32.61%			414,601	38.57%		
SMALLEST 20	10,407,930	1,844,245	17.72%		1,165,808	11.20%			1,125,092	10.81%			2,519,077	24.20%			3,753,708	36.07%		
Mississippi	1,076,827	88,868	8.25%		145,669	13.53%			524,203	48.68%			121,911	11.32%			248,078	23.04%		
Iowa	1,164,496	11,972	1.03%		44,554	3.83%			134,690	11.57%			298,885	25.67%			674,395	57.91%		
Connecticut	1,342,470	1,809	0.13%		5,199	0.39%			13,749	1.02%			158,903	11.84%			1,162,810	86.62%		
Oklahoma	1,375,005	88,247	6.42%		48,668	3.54%			118,857	8.64%			120,453	8.76%			998,780	72.64%		
Oregon	1,393,031	206,469	14.82%		117,883	8.46%			39,948	2.87%			129,310	9.28%			899,421	64.57%		
SMALLEST 25	16,759,759	2,189,708	13.07%		1,527,781	9.12%			1,956,539	11.67%			3,348,539	19.98%			7,737,192	46.17%		
South Carolina	1,618,539	0	0.00%		0	0.00%			2,668	0.16%			235,083	14.52%			1,380,788	85.31%		
Kentucky	1,647,574	124,644	7.57%		235,380	14.29%			139,718	8.48%			334,929	20.33%			812,903	49.34%		
Louisiana	1,688,654	4,349	0.26%		9,439	0.56%			40,957	2.43%			185,224	10.97%			1,448,685	85.79%		
Colorado	1,769,690	212,848	12.03%		90,653	5.12%			244,338	13.81%			867,884	49.04%			353,967	20.00%		
Alabama	1,788,376	106,676	5.96%		159,925	8.94%			449,890	25.16%			637,110	35.63%			434,775	24.31%		
SMALLEST 30	25,272,592	2,638,225	10.44%		2,023,178	8.01%			2,834,110	11.21%			5,608,769	22.19%			12,168,310	48.15%		
Minnesota	1,967,345	68,714	3.49%		182,199	9.26%			231,802	11.78%			114,836	5.84%			1,369,794	69.63%		
Arizona	2,073,947	307,672	14.84%		96,821	4.67%			115,356	5.56%			1,099,758	53.03%			454,340	21.91%		
Maryland	2,086,504	38,252	1.83%		103,455	4.96%			14,535	0.70%			22,583	1.08%			1,907,679	91.43%		
Wisconsin	2,160,235	27,521	1.27%		43,724	2.02%			161,164	7.46%			281,682	13.04%			1,646,144	76.20%		

			%		%		%		%		%
		Households	Households	Households	Households	Households	Households	Households	Households	Households	Households
		Receiving 0	Receiving 0	Receiving 1	Receiving 1	Receiving 2	Receiving 2	Receiving 3	Receiving 3	Receiving 4	Receiving 4
STATE	Households	Stations	Stations	Station	Station	Stations	Stations	Stations	Stations	Stations	Stations
Missouri	2,257,045	70,658	3.13%	112,614	4.99%	138,387	6.13%	403,269	17.87%	1,532,137	67.88%
Tennessee	2,319,483	112,048	4.83%	129,848	5.60%	118,602	5.11%	252,745	10.90%	1,706,240	73.56%
Washington	2,371,021	270,887	11.42%	77,637	3.27%	28,630	1.21%	159,248	6.72%	1,834,619	77.38%
Indiana	2,405,369	12,304	0.51%	21,262	0.88%	55,440	2.30%	473,739	19.70%	1,842,624	76.60%
Massachusetts	2,512,652	8,689	0.35%	25,427	1.01%	32,922	1.31%	56,390	2.24%	2,389,224	95.09%
Virginia	2,847,292	89,527	3.14%	273,608	9.61%	75,033	2.64%	176,439	6.20%	2,232,685	78.41%
SMALLEST 40	48,273,485	3,644,497	7.55%	3,089,773	6.40%	3,805,961	7.88%	8,649,458	17.92%	29,083,796	60.25%
New Jersey	3,168,071	31,776	1.00%	586,050	18.50%	81,197	2.56%	86,497	2.73%	2,382,551	75.21%
Georgia	3,217,888	84,556	2.63%	117,219	3.64%	148,893	4.63%	518,912	16.13%	2,348,308	72.98%
North Carolina	3,312,813	92,287	2.79%	94,054	2.84%	144,119	4.35%	342,991	10.35%	2,639,362	79.67%
Michigan	3,895,842	94,067	2.41%	142,765	3.66%	107,601	2.76%	288,519	7.41%	3,262,890	83.75%
Ohio	4,545,116	50,729	1.12%	126,373	2.78%	190,315	4.19%	292,942	6.45%	3,884,757	85.47%
Illinois	4,701,151	6,713	0.14%	19,445	0.41%	80,663	1.72%	265,788	5.65%	4,328,542	92.07%
Pennsylvania	4,861,498	270,818	5.56%	1,422,676	29.26%	653,677	13.45%	839,893	17.28%	1,674,734	34.45%
Florida	6,766,448	25,469	0.38%	5,581	0.08%	172,622	2.55%	969,805	14.33%	5,592,971	82.66%
New York	7,175,654	312,286	4.35%	191,175	2.66%	187,842	2.62%	773,533	10.78%	5,710,838	79.59%
Texas	7,871,349	184,052	2.34%	499,261	6.34%	233,237	2.96%	960,115	12.20%	5,994,684	76.16%
California	12,020,949	863,480	7.18%	455,464	3.79%	569,338	4.74%	6,665,883	57.12%	3,266,784	27.18%
NATIONWIDE	109,810,264	5,660,410	5.15%	6,749,836	6.15%	6,375,465	5.81%	20,854,336	18.99%	70,170,217	63.90%

STATE	Total Households	Unserved by FOX	% Unserved by FOX	Unserved by NBC	% Unserved by NBC	Unserved by CBS	% Unserved by CBS	Unserved by ABC	% Unserved by ABC
Wyoming	200,222	136,284	68.07%	200,222	100.00%	162,437	81.13%	121,072	60.47%
Alaska	232,115	232,115	100.00%	203,413	87.63%	229,625	98.93%	232,115	100.00%
Vermont	249,229	248,516	99.71%	242,659	97.36%	246,090	98.74%	235,511	94.50%
District of Columbia	251,364	0	0.00%	0	0.00%	0	0.00%	0	0.00%
North Dakota	257,182	190,362	74.02%	212,918	82.79%	174,955	68.03%	172,531	67.09%
South Dakota	297,016	152,872	51.47%	156,800	52.79%	206,320	69.46%	38,527	12.97%
Delaware	315,022	260,875	82.81%	28,593	9.08%	76,198	24.19%	29,187	9.27%
Montana	367,048	317,338	86.46%	154,182	42.01%	203,965	55.57%	210,324	57.30%
Hawaii	423,904	219,171	51.70%	395,585	93.32%	176,427	41.62%	184,179	43.45%
Rhode Island	425,371	0	0.00%	0	0.00%	20,160	4.74%	444	0.10%
SMALLEST 10	3,018,473	1,757,533	58.23%	1,594,372	52.82%	1,496,177	49.57%	1,223,890	40.55%
Idaho	497,571	443,873	89.21%	165,908	33.34%	145,120	29.17%	138,888	27.91%
New Hampshire	502,749	257,969	51.31%	153,972	30.63%	164,620	32.74%	74,819	14.88%
Maine	541,687	532,205	98.25%	80,959	14.95%	43,154	7.97%	142,052	26.22%
Nebraska	680,852	196,163	28.81%	169,279	24.86%	99,441	14.61%	137,680	20.22%
New Mexico	707,035	294,869	41.71%	225,328	31.87%	284,139	40.19%	221,578	31.34%
Utah	741,654	220,331	29.71%	739,784	99.75%	149,384	20.14%	181,809	24.51%
West Virginia	747,594	497,893	66.60%	283,868	37.97%	493,903	66.07%	506,928	67.81%
Nevada	838,582	119,315	14.23%	49,077	5.85%	57,421	6.85%	59,536	7.10%
Kansas	1,056,907	432,427	40.91%	204,182	19.32%	172,268	16.30%	181,395	17.16%
Arkansas	1,074,826	558,823	51.99%	317,418	29.53%	226,611	21.08%	147,296	13.70%
SMALLEST 20	10,407,930	5,311,401	51.03%	3,984,157	38.28%	3,332,238	32.02%	3,015,869	28.98%
Mississippi	1,076,827	609,358	56.59%	633,182	58.80%	193,379	17.96%	319,289	29.65%
Iowa	1,164,496	180,070	15.46%	86,094	7.39%	124,298	10.67%	359,353	30.86%
Connecticut	1,342,470	8,094	0.60%	11,010	0.82%	171,165	12.75%	18,965	1.41%
Oklahoma	1,375,005	290,900	21.16%	175,975	12.80%	137,699	10.01%	252,585	18.37%
Oregon	1,393,031	346,856	24.90%	298,591	21.43%	312,305	22.42%	430,979	30.94%
SMALLEST 25	16,759,759	6,746,679	40.26%	5,189,009	30.96%	4,271,084	25.48%	4,397,020	26.24%
South Carolina	1,618,539	5,261	0.33%	110,787	6.84%	845	0.05%	123,526	7.63%
Kentucky	1,847,574	546,180	33.15%	579,610	35.18%	289,514	17.57%	403,777	24.51%
Louisiana	1,688,654	96,278	5.70%	148,264	8.78%	28,335	1.68%	39,974	2.37%
Colorado	1,769,690	956,958	54.07%	708,342	40.03%	238,589	13.48%	576,022	32.55%
Alabama	1,788,376	733,785	41.03%	492,087	27.52%	311,203	17.40%	906,294	50.68%
SMALLEST 30	25,272,592	9,085,141	35.95%	7,228,099	28.60%	5,139,570	20.34%	6,446,613	25.51%
Minnesota	1,967,345	508,976	25.87%	422,053	21.45%	241,810	12.29%	227,054	11.54%
Arizona	2,073,947	521,613	25.15%	316,499	15.26%	405,265	19.54%	1,608,244	77.55%
Maryland	2,086,504	175,478	8.41%	103,656	4.97%	143,927	6.90%	91,865	4.41%
Wisconsin	2,160,235	452,545	20.95%	160,238	7.42%	166,169	7.69%	66,314	3.07%
Missouri	2,257,045	653,571	28.96%	148,653	6.59%	246,884	10.94%	251,389	11.14%
Tennessee	2,319,483	582,152	25.10%	225,054	9.70%	329,150	14.19%	191,329	8.25%
Washington	2,371,021	429,452	18.11%	360,710	15.21%	355,709	15.00%	387,096	16.33%
Indiana	2,405,369	72,106	3.00%	71,428	2.97%	131,010	5.45%	423,077	17.59%
Massachusetts	2,512,652	77,467	3.08%	37,270	1.48%	99,247	3.95%	19,287	0.77%
Virginia	2,847,292	493,732	17.34%	291,904	10.25%	361,391	12.69%	358,410	12.59%
SMALLEST 40	48,273,485	13,052,233	27.04%	9,365,564	19.40%	7,620,112	15.79%	10,070,778	20.86%
New Jersey	3,168,071	753,524	23.78%	83,818	2.64%	689,997	21.78%	807,008	19.16%
Georgia	3,217,888	388,694	12.08%	210,324	6.54%	306,261	9.52%	601,300	18.69%
North Carolina	3,312,813	359,133	10.84%	250,547	7.56%	425,161	12.83%	247,698	7.48%
Michigan	3,895,842	564,459	14.49%	305,504	7.84%	112,920	2.90%	325,401	8.35%
Ohio	4,545,116	489,139	10.76%	149,764	3.30%	243,480	5.36%	373,224	8.21%
Illinois	4,701,151	145,313	3.09%	47,187	1.00%	231,986	4.93%	87,815	1.87%
Pennsylvania	4,861,498	2,645,780	54.42%	521,027	10.72%	2,020,608	41.56%	2,309,932	47.51%
Florida	6,766,448	436,693	6.45%	249,311	3.68%	505,918	7.48%	241,746	3.57%
New York	7,175,654	1,205,471	16.80%	720,563	10.04%	626,913	8.74%	418,859	5.84%
Texas	7,871,349	1,368,403	17.38%	837,515	10.64%	568,611	7.22%	886,051	11.26%
California	12,020,949	2,112,690	17.58%	7,143,884	59.43%	1,292,506	10.75%	2,275,791	18.93%
NATIONWIDE	109,810,264	23,521,532	21.42%	19,884,808	18.11%	14,644,473	13.34%	18,445,601	16.80%

	STATE	Total Households	Unservd by FOX	Unservd by FOX %
1	Alaska	232,115	232,115	100.00%
2	Vermont	249,229	248,516	99.71%
3	Maine	541,687	532,205	98.25%
4	Idaho	497,571	443,873	89.21%
5	Montana	367,048	317,338	86.46%
6	Delaware	315,022	260,875	82.81%
7	North Dakota	257,182	190,362	74.02%
8	Wyoming	200,222	136,284	68.07%
9	West Virginia	747,594	497,893	66.60%
10	Mississippi	1,076,827	609,358	56.59%
11	Pennsylvania	4,861,498	2,645,780	54.42%
12	Colorado	1,769,690	956,958	54.07%
13	Arkansas	1,074,826	558,823	51.99%
14	Hawaii	423,904	219,171	51.70%
15	South Dakota	297,016	152,872	51.47%
16	New Hampshire	502,749	257,969	51.31%
17	New Mexico	707,035	294,869	41.71%
18	Alabama	1,788,376	733,785	41.03%
19	Kansas	1,056,907	432,427	40.91%
20	Kentucky	1,647,574	546,180	33.15%
21	Utah	741,654	220,331	29.71%
22	Missouri	2,257,045	653,571	28.96%
23	Nebraska	680,852	196,163	28.81%
24	Minnesota	1,967,345	508,976	25.87%
25	Arizona	2,073,947	521,613	25.15%
26	Tennessee	2,319,483	582,152	25.10%
27	Oregon	1,393,031	346,856	24.90%
28	New Jersey	3,168,071	753,524	23.78%
29	Oklahoma	1,375,005	290,900	21.16%
30	Wisconsin	2,160,235	452,545	20.95%
31	Washington	2,371,021	429,452	18.11%
32	California	12,020,949	2,112,690	17.58%
33	Texas	7,871,349	1,368,403	17.38%
34	Virginia	2,847,292	493,732	17.34%
35	New York	7,175,654	1,205,471	16.80%
36	Iowa	1,164,496	180,070	15.46%
37	Michigan	3,895,842	564,459	14.49%
38	Nevada	838,582	119,315	14.23%
39	Georgia	3,217,888	388,694	12.08%
40	North Carolina	3,312,813	359,133	10.84%
41	Ohio	4,545,116	489,139	10.76%
42	Maryland	2,086,504	175,478	8.41%
43	Florida	6,766,448	436,693	6.45%
44	Louisiana	1,688,654	96,278	5.70%
45	Illinois	4,701,151	145,313	3.09%
46	Massachusetts	2,512,652	77,467	3.08%
47	Indiana	2,405,369	72,106	3.00%
48	Connecticut	1,342,470	8,094	0.60%
49	South Carolina	1,618,539	5,261	0.33%
50	District of Columbia	251,364	0	0.00%
51	Rhode Island	425,371	0	0.00%
NATIONWIDE		109,810,264	23,521,532	21.42%

	STATE	Total Households	Unservd by NBC	Unservd by NBC %
1	Wyoming	200,222	200,222	100.00%
2	Utah	741,654	739,784	99.75%
3	Vermont	249,229	242,659	97.36%
4	Hawaii	423,904	395,585	93.32%
5	Alaska	232,115	203,413	87.63%
6	North Dakota	257,182	212,918	82.79%
7	California	12,020,949	7,143,884	59.43%
8	Mississippi	1,076,827	633,182	58.80%
9	South Dakota	297,016	156,800	52.79%
10	Montana	367,048	154,182	42.01%
11	Colorado	1,769,690	708,342	40.03%
12	West Virginia	747,594	283,868	37.97%
13	Kentucky	1,647,574	579,610	35.18%
14	Idaho	497,571	165,908	33.34%
15	New Mexico	707,035	225,328	31.87%
16	New Hampshire	502,749	153,972	30.63%
17	Arkansas	1,074,826	317,418	29.53%
18	Alabama	1,788,376	492,087	27.52%
19	Nebraska	680,852	169,279	24.86%
20	Minnesota	1,967,345	422,053	21.45%
21	Oregon	1,393,031	298,591	21.43%
22	Kansas	1,056,907	204,192	19.32%
23	Arizona	2,073,947	316,499	15.26%
24	Washington	2,371,021	360,710	15.21%
25	Maine	541,687	80,959	14.95%
26	Oklahoma	1,375,005	175,975	12.80%
27	Pennsylvania	4,861,498	521,027	10.72%
28	Texas	7,871,349	837,515	10.64%
29	Virginia	2,847,292	291,904	10.25%
30	New York	7,175,654	720,563	10.04%
31	Tennessee	2,319,483	225,054	9.70%
32	Delaware	315,022	28,593	9.08%
33	Louisiana	1,688,654	148,264	8.78%
34	Michigan	3,895,842	305,504	7.84%
35	North Carolina	3,312,813	250,547	7.56%
36	Wisconsin	2,160,235	160,238	7.42%
37	Iowa	1,164,496	86,094	7.39%
38	South Carolina	1,618,539	110,787	6.84%
39	Missouri	2,257,045	148,653	6.59%
40	Georgia	3,217,888	210,324	6.54%
41	Nevada	838,582	49,077	5.85%
42	Maryland	2,086,504	103,656	4.97%
43	Florida	6,766,448	249,311	3.68%
44	Ohio	4,545,116	149,764	3.30%
45	Indiana	2,405,369	71,428	2.97%
46	New Jersey	3,168,071	83,618	2.64%
47	Massachusetts	2,512,652	37,270	1.48%
48	Illinois	4,701,151	47,187	1.00%
49	Connecticut	1,342,470	11,010	0.82%
50	District of Columbia	251,364	0	0.00%
51	Rhode Island	425,371	0	0.00%
NATIONWIDE		109,810,264	19,884,808	18.11%

	STATE	Total Households	Unserved by ABC	% Unserved by ABC
1	Alaska	232,115	232,115	100.00%
2	Vermont	249,229	235,511	94.50%
3	Arizona	2,073,947	1,608,244	77.55%
4	West Virginia	747,594	506,926	67.81%
5	North Dakota	257,182	172,531	67.09%
6	Wyoming	200,222	121,072	60.47%
7	Montana	367,048	210,324	57.30%
8	Alabama	1,788,376	906,294	50.68%
9	Pennsylvania	4,861,498	2,309,932	47.51%
10	Hawaii	423,904	184,179	43.45%
11	Colorado	1,769,690	576,022	32.55%
12	New Mexico	707,035	221,578	31.34%
13	Oregon	1,393,031	430,979	30.94%
14	Iowa	1,164,496	359,353	30.86%
15	Mississippi	1,076,827	319,269	29.65%
16	Idaho	497,571	138,888	27.91%
17	Maine	541,687	142,052	26.22%
18	Utah	741,654	181,809	24.51%
19	Kentucky	1,647,574	403,777	24.51%
20	Nebraska	680,852	137,680	20.22%
21	New Jersey	3,168,071	607,006	19.16%
22	California	12,020,949	2,275,791	18.93%
23	Georgia	3,217,888	601,300	18.69%
24	Oklahoma	1,375,005	252,585	18.37%
25	Indiana	2,405,369	423,077	17.59%
26	Kansas	1,056,907	181,395	17.16%
27	Washington	2,371,021	387,096	16.33%
28	New Hampshire	502,749	74,819	14.88%
29	Arkansas	1,074,826	147,296	13.70%
30	South Dakota	297,016	38,527	12.97%
31	Virginia	2,847,292	358,410	12.59%
32	Minnesota	1,967,345	227,054	11.54%
33	Texas	7,871,349	886,051	11.26%
34	Missouri	2,257,045	251,369	11.14%
35	Delaware	315,022	29,187	9.27%
36	Michigan	3,895,842	325,401	8.35%
37	Tennessee	2,319,483	191,329	8.25%
38	Ohio	4,545,116	373,224	8.21%
39	South Carolina	1,618,539	123,526	7.63%
40	North Carolina	3,312,813	247,698	7.48%
41	Nevada	838,582	59,536	7.10%
42	New York	7,175,654	418,859	5.84%
43	Maryland	2,086,504	91,965	4.41%
44	Florida	6,766,448	241,746	3.57%
45	Wisconsin	2,160,235	66,314	3.07%
46	Louisiana	1,688,654	39,974	2.37%
47	Illinois	4,701,151	87,815	1.87%
48	Connecticut	1,342,470	18,965	1.41%
49	Massachusetts	2,512,652	19,287	0.77%
50	Rhode Island	425,371	444	0.10%
51	District of Columbia	251,364	0	0.00%
	NATIONWIDE	109,810,264	18,445,601	16.80%

	STATE	Total Households	Unserved by CBS	% Unserved by CBS
1	Alaska	232,115	229,625	98.93%
2	Vermont	249,229	246,090	98.74%
3	Wyoming	200,222	162,437	81.13%
4	South Dakota	297,016	206,320	69.46%
5	North Dakota	257,182	174,955	68.03%
6	West Virginia	747,594	493,903	66.07%
7	Montana	367,048	203,965	55.57%
8	Hawaii	423,904	176,427	41.62%
9	Pennsylvania	4,861,498	2,020,608	41.56%
10	New Mexico	707,035	284,139	40.19%
11	New Hampshire	502,749	164,620	32.74%
12	Idaho	497,571	145,120	29.17%
13	Delaware	315,022	76,198	24.19%
14	Oregon	1,393,031	312,305	22.42%
15	New Jersey	3,168,071	689,997	21.78%
16	Arkansas	1,074,826	226,611	21.08%
17	Utah	741,654	149,384	20.14%
18	Arizona	2,073,947	405,265	19.54%
19	Mississippi	1,076,827	193,379	17.96%
20	Kentucky	1,647,574	289,514	17.57%
21	Alabama	1,788,376	311,203	17.40%
22	Kansas	1,056,907	172,268	16.30%
23	Washington	2,371,021	355,709	15.00%
24	Nebraska	680,852	99,441	14.61%
25	Tennessee	2,319,483	329,150	14.19%
26	Colorado	1,769,690	238,589	13.48%
27	North Carolina	3,312,813	425,161	12.83%
28	Connecticut	1,342,470	171,165	12.75%
29	Virginia	2,847,292	361,391	12.69%
30	Minnesota	1,967,345	241,810	12.29%
31	Missouri	2,257,045	246,864	10.94%
32	California	12,020,949	1,292,506	10.75%
33	Iowa	1,164,496	124,298	10.67%
34	Oklahoma	1,375,005	137,699	10.01%
35	Georgia	3,217,888	306,261	9.52%
36	New York	7,175,654	626,913	8.74%
37	Maine	541,687	43,154	7.97%
38	Wisconsin	2,160,235	166,169	7.69%
39	Florida	6,766,448	505,918	7.48%
40	Texas	7,871,349	568,611	7.22%
41	Maryland	2,086,504	143,927	6.90%
42	Nevada	838,582	57,421	6.85%
43	Indiana	2,405,369	131,010	5.45%
44	Ohio	4,545,116	243,480	5.36%
45	Illinois	4,701,151	231,986	4.93%
46	Rhode Island	425,371	20,160	4.74%
47	Massachusetts	2,512,652	99,247	3.95%
48	Michigan	3,895,842	112,920	2.90%
49	Louisiana	1,688,654	28,335	1.68%
50	South Carolina	1,618,539	845	0.05%
51	District of Columbia	251,364	0	0.00%
	NATIONWIDE	109,810,264	14,644,473	13.34%

STATE	Total Households	Households receiving at least 1 network station	% households not receiving any network DTV stations	Households receiving at least 1 network station	Households receiving at least 2 network stations	% Households receiving at least 2 network stations	Households receiving at least 3 network stations	% households receiving at least 3 network stations	Households receiving all 4 network stations	% households receiving all 4 network stations	% households not receiving all 4 network stations
Wyoming	200,222	87,659	56.22%	49,768	63,938	31.93%	29,276	14.62%	0	0.00%	100.00%
Alaska	232,115	31,192	86.56%	12,449	0	0.00%	0	0.00%	0	0.00%	100.00%
Vermont	249,229	16,111	93.54%	6,468	4,890	1.96%	3,139	1.26%	0	0.00%	100.00%
District of Columbia	251,364	251,364	0.00%	100.00%	251,364	100.00%	251,364	100.00%	251,364	100.00%	0.00%
North Dakota	257,182	167,704	34.79%	65,219	110,258	42.87%	0	0.00%	0	0.00%	100.00%
South Dakota	297,016	271,403	8.62%	91,388	230,501	77.61%	110,172	37.09%	21,469	7.23%	92.77%
Delaware	315,022	315,022	0.00%	100.00%	261,104	82.88%	234,962	74.59%	54,147	17.19%	82.81%
Montana	367,048	253,343	30.98%	59,025	178,024	48.50%	104,131	28.37%	46,885	12.77%	87.23%
Hawaii	423,904	276,533	34.77%	65,439	240,734	56.79%	202,987	47.89%	0	0.00%	100.00%
Rhode Island	425,371	425,371	0.00%	100.00%	425,371	100.00%	424,927	99.90%	405,211	95.26%	4.74%
SMALLEST 10	3,018,473	2,095,702	30.57%	69.43%	1,766,184	58.51%	1,360,958	45.09%	779,076	25.81%	74.19%
Idaho	497,571	439,429	11.69%	88,317	360,045	72.36%	278,322	55.94%	18,699	3.76%	96.24%
New Hampshire	502,749	430,954	14.28%	85,722	372,628	74.12%	312,048	62.07%	243,986	48.53%	51.47%
Maine	541,687	512,057	5.47%	94,533	459,204	84.77%	387,635	71.56%	9,482	1.75%	98.25%
Nebraska	680,852	609,540	10.47%	89,533	536,477	78.79%	499,296	73.33%	475,532	69.84%	30.16%
New Mexico	707,035	552,323	21.88%	78,122	476,451	67.39%	389,508	55.09%	383,944	54.30%	45.70%
Utah	741,654	594,140	19.89%	80,112	559,845	75.49%	521,323	70.29%	0	0.00%	100.00%
West Virginia	747,594	544,713	27.14%	72,868	349,199	46.71%	194,961	26.08%	118,913	15.91%	84.09%
Nevada	838,582	794,697	5.23%	94,777	783,490	93.43%	775,836	92.52%	714,956	85.26%	14.74%
Kansas	1,056,907	978,511	7.42%	92,588	876,483	82.93%	787,833	74.54%	594,519	56.25%	43.75%
Arkansas	1,074,826	1,011,619	5.88%	94,129	857,871	79.81%	765,065	71.18%	414,601	38.57%	61.43%
SMALLEST 20	10,407,930	8,563,685	17.72%	82.28%	7,397,877	71.08%	6,272,785	60.27%	3,753,708	36.07%	63.93%
Mississippi	1,076,827	1,039,861	3.43%	96,579	894,192	83.04%	369,989	34.36%	248,078	23.04%	76.96%
Iowa	1,164,496	1,152,524	1.03%	98,977	1,107,970	95.15%	973,280	83.58%	674,395	57.91%	42.09%
Connecticut	1,342,470	1,340,661	0.13%	99,873	1,335,462	99.48%	1,321,713	98.45%	1,162,810	86.62%	13.38%
Oklahoma	1,375,005	1,286,758	6.42%	92,588	1,238,090	90.04%	1,119,233	81.40%	998,780	72.64%	27.36%
Oregon	1,393,031	1,186,562	14.82%	65,189	1,068,679	76.72%	1,028,731	73.85%	899,421	64.57%	35.43%
SMALLEST 25	16,759,759	14,570,051	13.07%	86.93%	13,042,270	77.82%	11,085,731	66.14%	7,737,192	46.17%	53.83%
South Carolina	1,618,539	1,618,539	0.00%	100.00%	1,618,539	100.00%	1,615,871	99.84%	1,380,788	85.31%	14.69%
Kentucky	1,647,574	1,522,930	7.57%	92,419	1,287,550	78.15%	1,147,832	69.67%	812,903	49.34%	50.66%
Louisiana	1,688,654	1,684,305	0.26%	99,749	1,674,866	99.18%	1,633,909	96.76%	1,448,685	85.79%	14.21%
Colorado	1,769,690	1,556,842	12.03%	87,879	1,466,189	82.85%	1,221,851	69.04%	353,967	20.00%	80.00%
Alabama	1,788,376	1,681,700	5.96%	94,949	1,521,775	85.09%	1,071,885	59.94%	434,775	24.31%	75.69%
SMALLEST 30	25,272,592	22,634,367	10.44%	89.56%	20,611,189	81.56%	17,777,079	70.34%	12,168,310	48.15%	51.85%
Minnesota	1,967,345	1,898,631	3.49%	96,512	1,716,432	87.25%	1,484,630	75.46%	1,369,794	69.63%	30.37%
Arizona	2,073,947	1,766,275	14.84%	65,165	1,669,454	80.50%	1,554,098	74.93%	454,340	21.91%	78.09%
Maryland	2,086,504	2,048,252	1.83%	98,372	1,944,797	93.21%	1,930,262	92.51%	1,907,679	91.43%	8.57%

STATE	Total Households	Households receiving at least 1 network station	% households not receiving any network DTV stations	% Households receiving at least 1 network station	Households receiving at least 2 network stations	% Households receiving at least 2 network stations	Households receiving at least 3 network stations	% households receiving at least 3 network stations	Households receiving all 4 network stations	% households receiving all 4 network stations	% households not receiving all 4 network stations
Wisconsin	2,160,235	2,132,714	1.27%	98.73%	2,088,990	96.70%	1,927,826	89.24%	1,646,144	76.20%	23.80%
Missouri	2,257,045	2,186,387	3.13%	96.87%	2,073,773	91.88%	1,935,406	85.75%	1,532,137	67.88%	32.12%
Tennessee	2,319,483	2,207,435	4.83%	95.17%	2,077,587	89.57%	1,958,985	84.46%	1,706,240	73.56%	26.44%
Washington	2,371,021	2,100,134	11.42%	88.58%	2,022,497	85.30%	1,993,867	84.09%	1,834,619	77.38%	22.62%
Indiana	2,405,369	2,393,065	0.51%	99.49%	2,371,803	98.60%	2,316,363	96.30%	1,842,624	76.60%	23.40%
Massachusetts	2,512,652	2,503,963	0.35%	99.65%	2,478,536	98.64%	2,445,614	97.33%	2,389,224	95.09%	4.91%
Virginia	2,847,292	2,757,765	3.14%	96.86%	2,484,157	87.25%	2,409,124	84.61%	2,232,685	78.41%	21.59%
SMALLEST 40	48,273,485	44,628,988	7.55%	92.45%	41,539,215	86.05%	37,733,254	78.17%	29,083,796	60.25%	39.75%
New Jersey	3,168,071	3,136,295	1.00%	99.00%	2,550,245	80.50%	2,469,048	77.94%	2,382,581	75.21%	24.79%
Georgia	3,217,888	3,133,332	2.63%	97.37%	3,016,113	93.73%	2,867,220	89.10%	2,348,308	72.98%	27.02%
North Carolina	3,312,813	3,220,526	2.79%	97.21%	3,126,472	94.38%	2,982,353	90.02%	2,639,362	79.67%	20.33%
Michigan	3,895,842	3,801,775	2.41%	97.59%	3,659,010	93.92%	3,551,409	91.16%	3,262,890	83.75%	16.25%
Ohio	4,545,116	4,484,387	1.12%	98.88%	4,368,014	96.10%	4,177,699	91.92%	3,884,757	85.47%	14.53%
Illinois	4,701,151	4,694,438	0.14%	99.86%	4,674,993	99.44%	4,594,330	97.73%	4,328,542	92.07%	7.93%
Pennsylvania	4,861,498	4,590,980	5.56%	94.44%	3,168,304	65.17%	2,514,827	51.73%	1,674,734	34.45%	65.55%
Florida	6,766,448	6,740,979	0.38%	99.62%	6,735,398	99.54%	6,562,776	96.99%	5,592,971	82.66%	17.34%
New York	7,175,654	6,863,388	4.35%	95.65%	6,672,213	92.98%	6,484,371	90.37%	5,710,838	79.59%	20.41%
Texas	7,871,349	7,687,297	2.34%	97.66%	7,188,036	91.32%	6,954,799	88.36%	5,994,684	76.16%	23.84%
California	12,020,949	11,157,469	7.18%	92.82%	10,702,005	89.03%	10,132,667	84.29%	3,266,784	27.18%	72.82%
NATIONWIDE	109,810,264	104,149,854	5.15%	94.85%	97,400,018	88.70%	91,024,553	82.89%	70,170,217	63.90%	36.10%

STATE	Total Households	Households receiving at least 1 network station	% Households receiving at least 1 network station	% Households not receiving any network DTV stations
1 Vermont	249,229	16,111	6.46%	93.54%
2 Alaska	232,115	31,192	13.44%	86.56%
3 Wyoming	200,222	87,659	43.78%	56.22%
4 North Dakota	257,182	167,704	65.21%	34.79%
5 Hawaii	423,904	276,533	65.23%	34.77%
6 Montana	367,048	253,343	69.02%	30.98%
7 West Virginia	747,594	544,713	72.86%	27.14%
8 New Mexico	707,035	552,323	78.12%	21.88%
9 Utah	741,654	594,140	80.11%	19.89%
10 Arizona	2,073,947	1,766,275	85.16%	14.84%
11 Oregon	1,393,031	1,186,562	85.18%	14.82%
12 New Hampshire	502,749	430,954	85.72%	14.28%
13 Colorado	1,769,690	1,556,842	87.97%	12.03%
14 Idaho	497,571	439,429	88.31%	11.69%
15 Washington	2,371,021	2,100,134	88.58%	11.42%
16 Nebraska	680,852	609,540	89.53%	10.47%
17 South Dakota	297,016	271,403	91.38%	8.62%
18 Kentucky	1,647,574	1,522,930	92.43%	7.57%
19 Kansas	1,056,907	978,511	92.58%	7.42%
20 California	12,020,949	11,157,469	92.82%	7.18%
21 Oklahoma	1,375,005	1,286,758	93.58%	6.42%
22 Alabama	1,788,376	1,681,700	94.04%	5.96%
23 Arkansas	1,074,826	1,011,619	94.12%	5.88%
24 Pennsylvania	4,861,498	4,590,980	94.44%	5.56%
25 Maine	541,687	512,057	94.53%	5.47%
26 Nevada	838,582	794,697	94.77%	5.23%
27 Tennessee	2,319,483	2,207,435	95.17%	4.83%
28 New York	7,175,654	6,863,388	95.65%	4.35%
29 Minnesota	1,967,345	1,898,631	96.51%	3.49%
30 Mississippi	1,076,827	1,039,861	96.57%	3.43%
31 Virginia	2,847,292	2,757,765	96.86%	3.14%
32 Missouri	2,257,045	2,186,387	96.87%	3.13%
33 North Carolina	3,312,813	3,220,526	97.21%	2.79%
34 Georgia	3,217,888	3,133,332	97.37%	2.63%
35 Michigan	3,895,842	3,801,775	97.59%	2.41%
36 Texas	7,871,349	7,687,297	97.66%	2.34%
37 Maryland	2,086,504	2,048,252	98.17%	1.83%
38 Wisconsin	2,160,235	2,132,714	98.73%	1.27%
39 Ohio	4,545,116	4,494,387	98.88%	1.12%
40 Iowa	1,164,496	1,152,524	98.97%	1.03%
41 New Jersey	3,168,071	3,136,295	99.00%	1.00%
42 Indiana	2,405,369	2,393,065	99.49%	0.51%
43 Florida	6,766,448	6,740,979	99.62%	0.38%
44 Massachusetts	2,512,652	2,503,963	99.65%	0.35%
45 Louisiana	1,688,654	1,684,305	99.74%	0.26%
46 Illinois	4,701,151	4,694,438	99.86%	0.14%
47 Connecticut	1,342,470	1,340,661	99.87%	0.13%
48 Delaware	315,022	315,022	100.00%	0.00%
49 South Carolina	1,618,539	1,618,539	100.00%	0.00%
50 Rhode Island	425,371	425,371	100.00%	0.00%
51 District of Columbia	251,364	251,364	100.00%	0.00%
NATIONWIDE	109,810,264	104,149,854	94.85%	5.15%

STATE	Total Households	Households receiving at least 2 network stations	% Households receiving at least 2 network stations
1 Alaska	232,115	0	0.00%
2 Vermont	249,229	4,890	1.96%
3 Wyoming	200,222	63,938	31.93%
4 North Dakota	257,182	110,258	42.87%
5 West Virginia	747,594	349,199	46.71%
6 Montana	367,048	178,024	48.50%
7 Hawaii	423,904	240,734	56.79%
8 Pennsylvania	4,861,498	3,168,304	65.17%
9 New Mexico	707,035	476,451	67.39%
10 Idaho	497,571	360,045	72.36%
11 New Hampshire	502,749	372,628	74.12%
12 Utah	741,654	559,845	75.49%
13 Oregon	1,393,031	1,068,679	76.72%
14 South Dakota	297,016	230,501	77.61%
15 Kentucky	1,647,574	1,287,550	78.15%
16 Nebraska	680,852	536,477	78.79%
17 Arkansas	1,074,826	857,871	79.81%
18 Arizona	2,073,947	1,669,454	80.50%
19 New Jersey	3,168,071	2,550,245	80.50%
20 Colorado	1,769,690	1,466,189	82.85%
21 Delaware	315,022	261,104	82.88%
22 Kansas	1,056,907	876,483	82.93%
23 Mississippi	1,076,827	894,192	83.04%
24 Maine	541,687	459,204	84.77%
25 Alabama	1,788,376	1,521,775	85.09%
26 Washington	2,371,021	2,022,497	85.30%
27 Minnesota	1,967,345	1,716,432	87.25%
28 Virginia	2,847,292	2,484,157	87.25%
29 California	12,020,949	10,702,005	89.03%
30 Tennessee	2,319,483	2,077,587	89.57%
31 Oklahoma	1,375,005	1,238,090	90.04%
32 Texas	7,871,349	7,188,036	91.32%
33 Missouri	2,257,045	2,073,773	91.88%
34 New York	7,175,654	6,672,213	92.98%
35 Maryland	2,086,504	1,944,797	93.21%
36 Nevada	838,582	783,490	93.43%
37 Georgia	3,217,888	3,016,113	93.73%
38 Michigan	3,895,842	3,659,010	93.92%
39 North Carolina	3,312,813	3,126,472	94.38%
40 Iowa	1,164,496	1,107,970	95.15%
41 Ohio	4,545,116	4,368,014	96.10%
42 Wisconsin	2,160,235	2,088,990	96.70%
43 Indiana	2,405,369	2,371,803	98.60%
44 Massachusetts	2,512,652	2,478,536	98.64%
45 Louisiana	1,688,654	1,674,866	99.18%
46 Illinois	4,701,151	4,674,993	99.44%
47 Connecticut	1,342,470	1,335,462	99.48%
48 Florida	6,766,448	6,735,398	99.54%
49 South Carolina	1,618,539	1,618,539	100.00%
50 Rhode Island	425,371	425,371	100.00%
51 District of Columbia	251,364	251,364	100.00%
NATIONWIDE	109,810,264	97,400,018	88.70%

STATE	Total Households	Households receiving at least 3 network stations	% Households receiving at least 3 network stations
1 Alaska	232,115	0	0.00%
2 North Dakota	257,182	0	0.00%
3 Vermont	249,229	3,139	1.26%
4 Wyoming	200,222	29,276	14.62%
5 West Virginia	747,594	194,961	26.08%
6 Montana	367,048	104,131	28.37%
7 Mississippi	1,076,827	369,989	34.36%
8 South Dakota	297,016	110,172	37.09%
9 Hawaii	423,904	202,987	47.89%
10 Pennsylvania	4,861,498	2,514,627	51.73%
11 New Mexico	707,035	389,508	55.09%
12 Idaho	497,571	278,322	55.94%
13 Alabama	1,788,376	1,071,885	59.94%
14 New Hampshire	502,749	312,048	62.07%
15 Colorado	1,769,690	1,221,851	69.04%
16 Kentucky	1,647,574	1,147,832	69.67%
17 Utah	741,654	521,323	70.29%
18 Arkansas	1,074,826	765,065	71.18%
19 Maine	541,687	387,635	71.56%
20 Nebraska	680,852	499,296	73.33%
21 Oregon	1,393,031	1,028,731	73.85%
22 Kansas	1,056,907	787,833	74.54%
23 Delaware	315,022	234,962	74.59%
24 Arizona	2,073,947	1,554,098	74.93%
25 Minnesota	1,967,345	1,484,630	75.46%
26 New Jersey	3,168,071	2,469,048	77.94%
27 Oklahoma	1,375,005	1,119,233	81.40%
28 Iowa	1,164,496	973,280	83.58%
29 Washington	2,371,021	1,993,867	84.09%
30 California	12,020,949	10,132,667	84.29%
31 Tennessee	2,319,483	1,958,985	84.46%
32 Virginia	2,847,292	2,409,124	84.61%
33 Missouri	2,257,045	1,935,406	85.75%
34 Texas	7,871,349	6,954,799	88.36%
35 Georgia	3,217,888	2,867,220	89.10%
36 Wisconsin	2,160,235	1,927,826	89.24%
37 North Carolina	3,312,813	2,982,353	90.02%
38 New York	7,175,654	6,484,371	90.37%
39 Michigan	3,895,842	3,551,409	91.16%
40 Ohio	4,545,116	4,177,699	91.92%
41 Maryland	2,086,504	1,930,262	92.51%
42 Nevada	838,582	775,836	92.52%
43 Indiana	2,405,369	2,316,363	96.30%
44 Louisiana	1,688,654	1,633,909	96.76%
45 Florida	6,766,448	6,562,776	96.99%
46 Massachusetts	2,512,652	2,445,614	97.33%
47 Illinois	4,701,151	4,594,330	97.73%
48 Connecticut	1,342,470	1,321,713	98.45%
49 South Carolina	1,618,539	1,615,871	99.84%
50 Rhode Island	425,371	424,927	99.90%
51 District of Columbia	251,364	251,364	100.00%
NATIONWIDE	109,810,264	91,024,553	82.89%

STATE	Total Households	Households receiving all 4 network stations	% Households receiving all 4 network stations	% Households not receiving all 4 network stations
1 Vermont	249,229	0	0.00%	100.00%
2 Alaska	232,115	0	0.00%	100.00%
3 Wyoming	200,222	0	0.00%	100.00%
4 North Dakota	257,182	0	0.00%	100.00%
5 Hawaii	423,904	0	0.00%	100.00%
6 Utah	741,654	0	0.00%	100.00%
7 Maine	541,687	9,482	1.75%	98.25%
8 Idaho	497,571	18,699	3.76%	96.24%
9 South Dakota	297,016	21,469	7.23%	92.77%
10 Montana	367,048	46,885	12.77%	87.23%
11 West Virginia	747,594	118,913	15.91%	84.09%
12 Delaware	315,022	54,147	17.19%	82.81%
13 Colorado	1,769,690	353,967	20.00%	80.00%
14 Arizona	2,073,947	454,340	21.91%	78.09%
15 Mississippi	1,076,827	248,078	23.04%	76.96%
16 Alabama	1,788,376	434,775	24.31%	75.69%
17 California	12,020,949	3,266,784	27.18%	72.82%
18 Pennsylvania	4,861,498	1,674,734	34.45%	65.55%
19 Arkansas	1,074,826	414,601	38.57%	61.43%
20 New Hampshire	502,749	243,986	48.53%	51.47%
21 Kentucky	1,647,574	812,903	49.34%	50.66%
22 New Mexico	707,035	383,944	54.30%	45.70%
23 Kansas	1,056,907	594,519	56.25%	43.75%
24 Iowa	1,164,496	674,395	57.91%	42.09%
25 Oregon	1,393,031	899,421	64.57%	35.43%
26 Missouri	2,257,045	1,532,137	67.88%	32.12%
27 Minnesota	1,967,345	1,369,794	69.63%	30.37%
28 Nebraska	680,852	475,532	69.84%	30.16%
29 Oklahoma	1,375,005	998,780	72.64%	27.36%
30 Georgia	3,217,888	2,348,308	72.98%	27.02%
31 Tennessee	2,319,483	1,706,240	73.56%	26.44%
32 New Jersey	3,168,071	2,382,551	75.21%	24.79%
33 Texas	7,871,349	5,994,684	76.16%	23.84%
34 Wisconsin	2,160,235	1,646,144	76.20%	23.80%
35 Indiana	2,405,369	1,842,624	76.60%	23.40%
36 Washington	2,371,021	1,834,619	77.38%	22.62%
37 Virginia	2,847,292	2,232,685	78.41%	21.59%
38 New York	7,175,654	5,710,838	79.59%	20.41%
39 North Carolina	3,312,813	2,639,362	79.67%	20.33%
40 Florida	6,766,448	5,592,971	82.66%	17.34%
41 Michigan	3,895,842	3,262,890	83.75%	16.25%
42 Nevada	838,582	714,956	85.26%	14.74%
43 South Carolina	1,618,539	1,380,788	85.31%	14.69%
44 Ohio	4,545,116	3,884,757	85.47%	14.53%
45 Louisiana	1,688,654	1,448,685	85.79%	14.21%
46 Connecticut	1,342,470	1,162,810	86.62%	13.38%
47 Maryland	2,086,504	1,907,679	91.43%	8.57%
48 Illinois	4,701,151	4,328,542	92.07%	7.93%
49 Massachusetts	2,512,652	2,389,224	95.09%	4.91%
50 Rhode Island	425,371	405,211	95.26%	4.74%
51 District of Columbia	251,364	251,364	100.00%	0.00%
NATIONWIDE	109,810,264	70,170,217	63.90%	36.10%

Digital Transition Coalition

MB 04-210

September 20, 2004

ATTACHMENT C

**DIGITAL TELEVISION
COVERAGE MAPS**

NATIONAL DIGITAL WHITE AREA

Demographic Snapshot

Total U.S. Households: 109,810,264

Reception Snapshot

Households Receiving All 4 Stations: 63.90%
Households Receiving 3 or more Stations: 82.89%
Households Receiving 2 or more Stations: 88.70%
Households Receiving 1 or more Station: 94.85%

Digital White Area Snapshot

abc U.S. Households
unserved by ABC in Digital: 18,445,601 (16.80%)

CBS U.S. Households
unserved by CBS in Digital: 14,644,473 (13.34%)

NBC U.S. Households
unserved by NBC in Digital: 19,884,808 (18.11%)

FOX U.S. Households
unserved by FOX in Digital: 23,521,532 (21.42%)

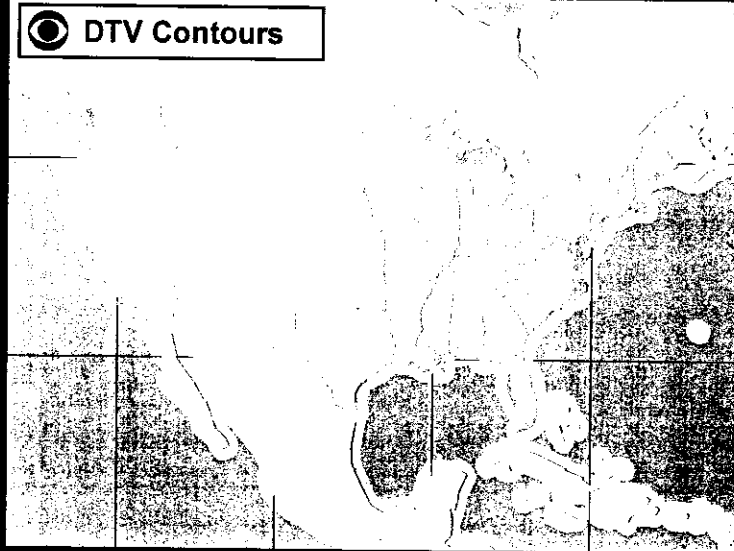
Digital TV Data:

All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

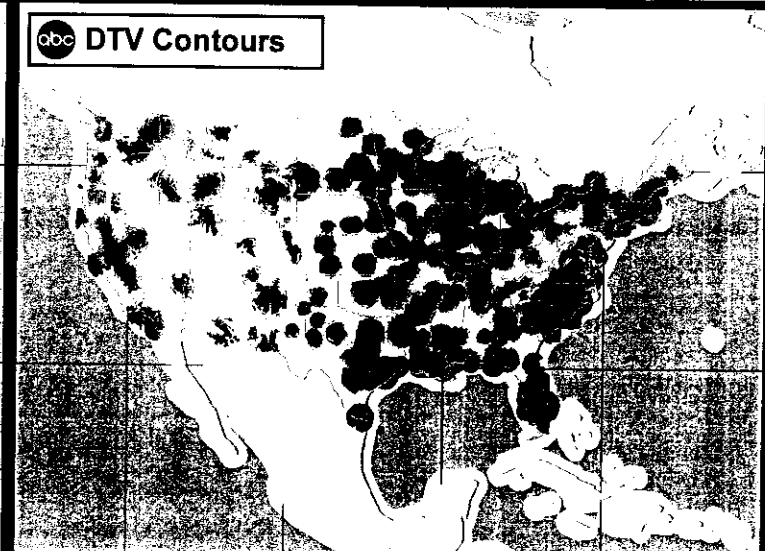
Generated DTV coverage profiles use guidelines set forth in Office of Engineering and Technology (OET) Bulletin 69, such as Longley-Rice propagation default settings and field strength limits, dBu, per VHF and UHF bands. Longley-Rice parameters such as surface refractivity and conductivity are modified per region of the U.S.

DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

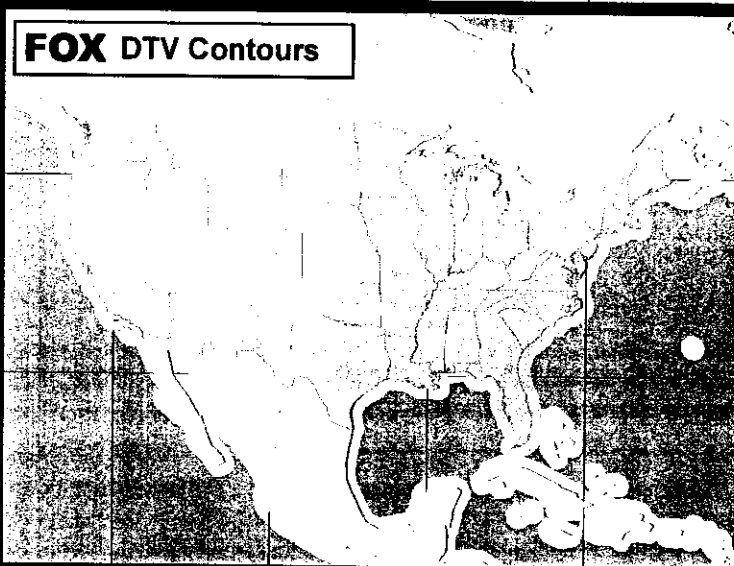
DTV Contours



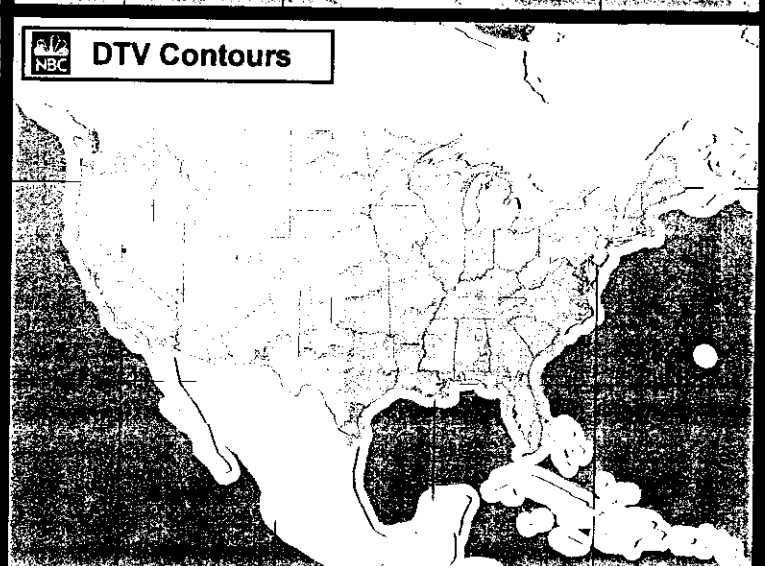
abc DTV Contours



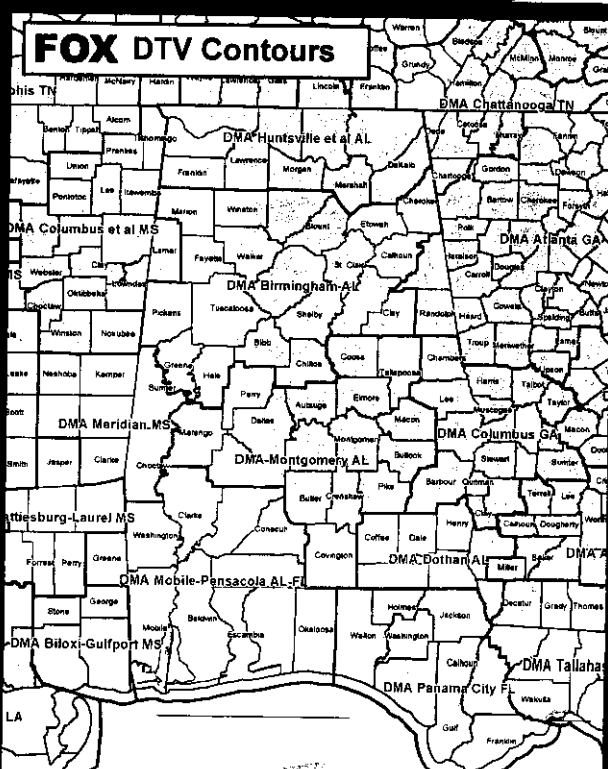
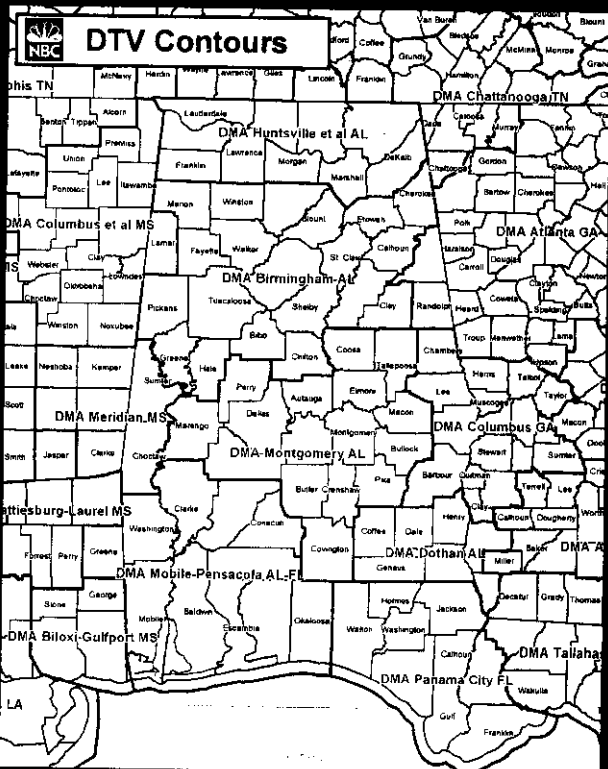
FOX DTV Contours



NBC DTV Contours



ALABAMA'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total ALABAMA Households: 1,788,378

Reception Snapshot

Households Receiving All 4 Stations: 24.0%
Households Receiving 3 or more Stations: 80.0%
Households Receiving 2 or more Stations: 85.0%
Households Receiving 1 or more Station: 94.0%

Digital White Area Snapshot

abc ALABAMA Households unserved by ABC in Digital: 906,294 (50.68%)
CBS ALABAMA Households unserved by CBS in Digital: 311,203 (17.4%)
NBC ALABAMA Households unserved by NBC in Digital: 492,087 (27.62%)
FOX ALABAMA Households unserved by FOX in Digital: 733,785 (41.03%)

Digital TV Data:

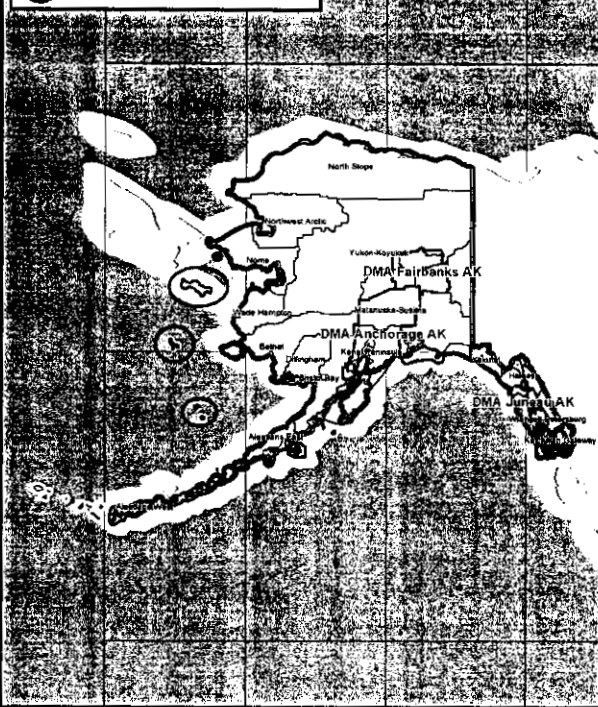
All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

Generated DTV coverage profiles use guidelines set forth in Office of Engineering and Technology (OET) Bulletin 69, such as Longley-Rice propagation default settings and field strength limits, dBu, per VHF and UHF bands. Longley-Rice parameters such as surface refractivity and conductivity are modified per region of the U.S.

DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

ALASKA'S DIGITAL WHITE AREA

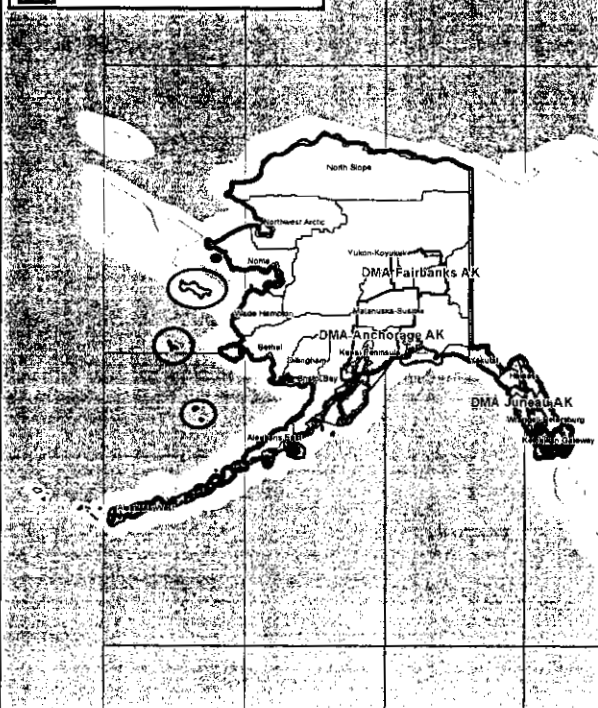
DTV Contours



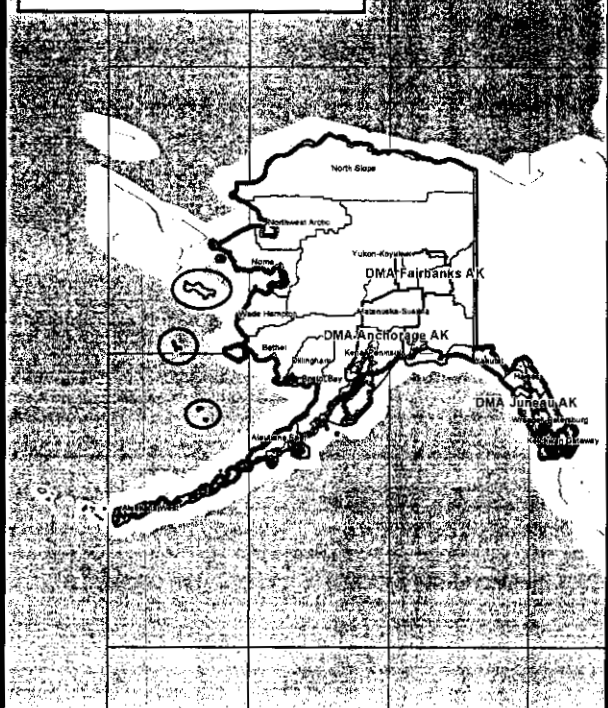
abc DTV Contours



NBC DTV Contours



FOX DTV Contours



County



DMA



States

Demographic Snapshot

Total ALASKA Households: 232,115

Reception Snapshot

Households Receiving All 4 Stations: 0.0%
Households Receiving 3 or more Stations: 0.0%
Households Receiving 2 or more Stations: 0.0%
Households Receiving 1 or more Station: 13.0%

Digital White Area Snapshot



ALASKA Households unserved by ABC in Digital: 232,115 (100.0%)



ALASKA Households unserved by CBS in Digital: 229,626 (99.33%)



ALASKA Households unserved by NBC in Digital: 203,413 (87.63%)



ALASKA Households unserved by FOX in Digital: 232,115 (100.0%)

Digital TV Data:

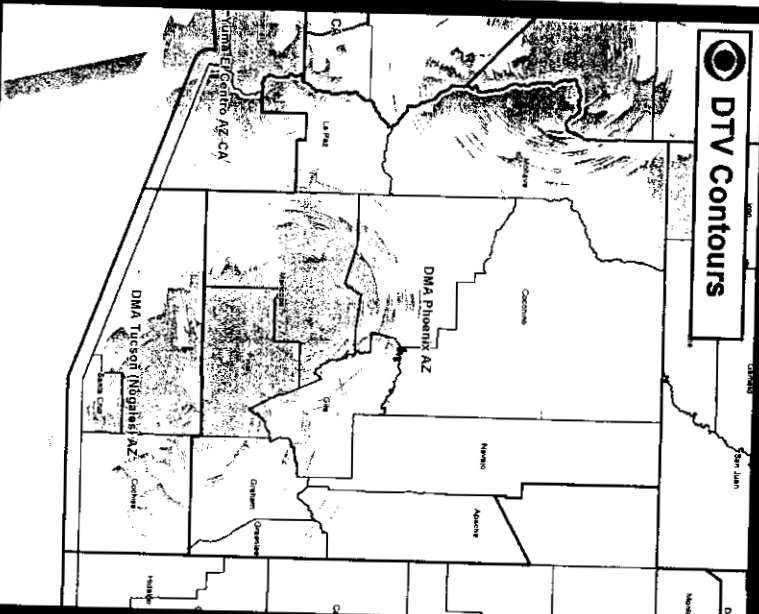
All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

Generated DTV coverage profiles use guidelines set forth in Office of Engineering and Technology (OET) Bulletin 59, such as Longley-Rice propagation default settings and field strength limits, dBu, per VHF and UHF bands. Longley-Rice parameters such as surface refractivity and conductivity are modified per region of the U.S.

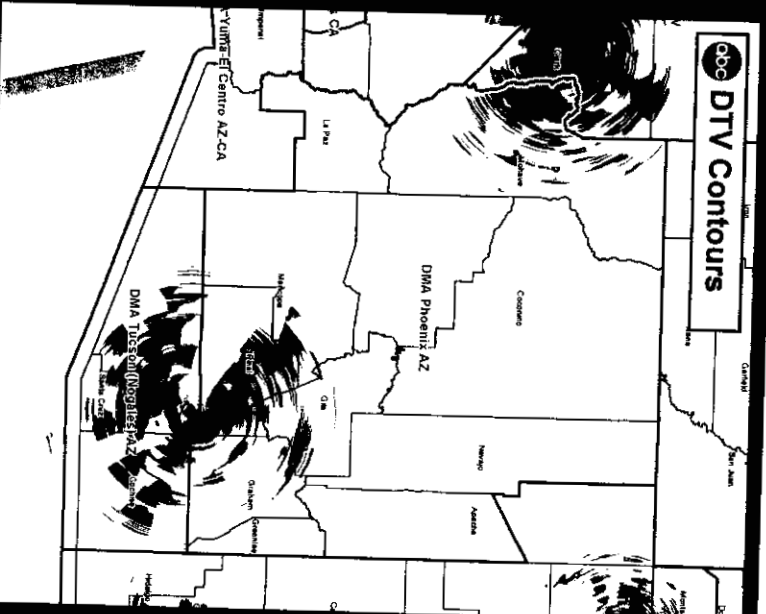
DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

ARIZONA'S DIGITAL WHITE AREA

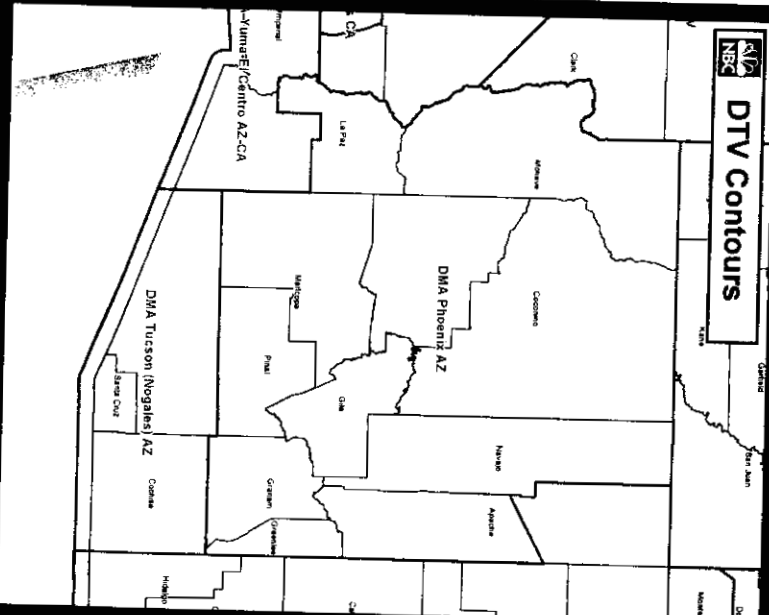
DTV Contours



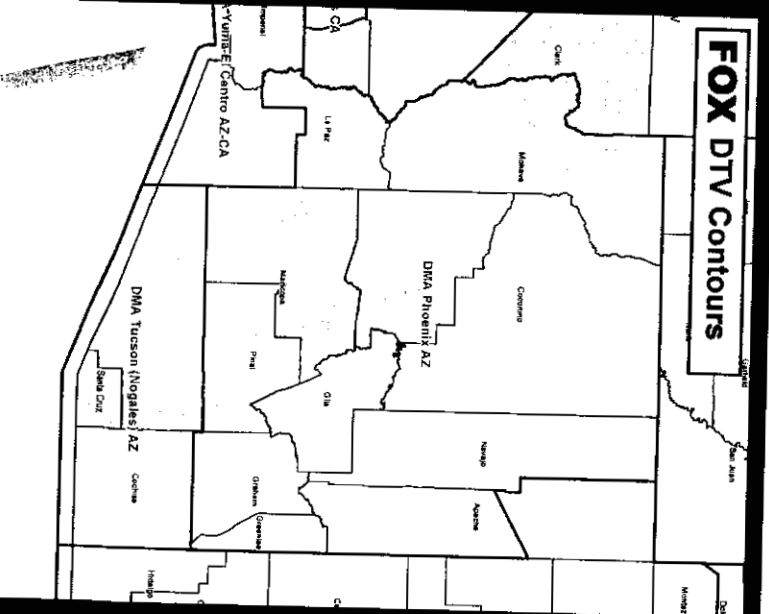
abc DTV Contours



NBC DTV Contours



FOX DTV Contours



County

DMA

States

Demographic Snapshot

Total ARIZONA Households: 2,073,447

Reception Snapshot

Households Receiving All 4 Stations: 22.0%
Households Receiving 3 or more Stations: 75.0%
Households Receiving 2 or more Stations: 81.0%
Households Receiving 1 or more Station: 88.0%

Digital White Area Snapshot

ARIZONA Households
uncovered by ABC in Digital: 1,898,244 (77.5%)

ARIZONA Households
uncovered by CBS in Digital: 405,266 (19.5%)

ARIZONA Households
uncovered by NBC in Digital: 316,489 (15.2%)

ARIZONA Households
uncovered by FOX in Digital: 321,813 (15.5%)

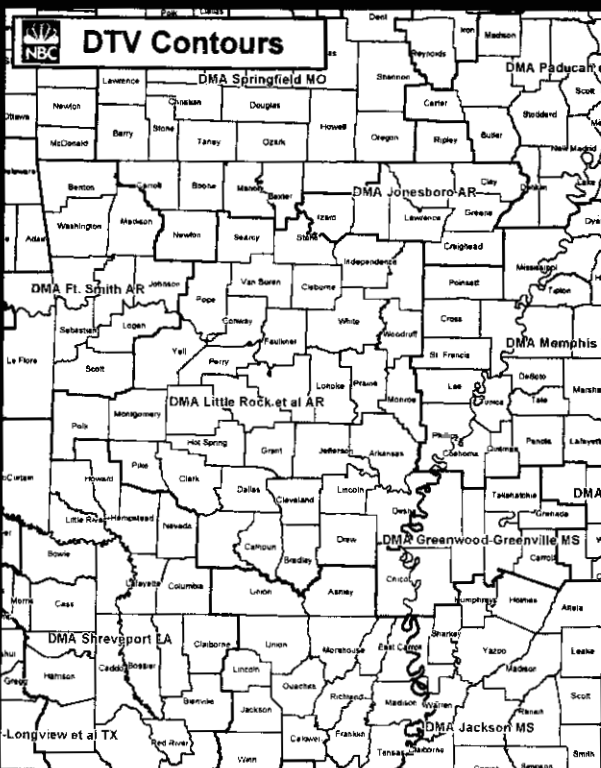
Digital TV Data:

All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

Generated DTV coverage profiles use guidelines set forth in Office of Engineering and Technology (OET) Bulletin 69, such as Longley-Rice propagation default settings and field strength limits, dBu, per VHF and UHF bands. Longley-Rice parameters such as surface reflectivity and conductivity are modified per region of the U.S.

DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

ARKANSAS'S DIGITAL WHITE AREA



County



DMA

States

Demographic Snapshot

Total ARKANSAS Households: 1,074,826

Reception Snapshot

Households Receiving All 4 Stations: 39.0%
Households Receiving 3 or more Stations: 72.0%
Households Receiving 2 or more Stations: 81.0%
Households Receiving 1 or more Station: 95.0%

Digital White Area Snapshot

ARKANSAS Households unserved by ABC in Digital: 147,286 (13.7%)

ARKANSAS Households unserved by CBS in Digital: 228,611 (21.08%)

ARKANSAS Households unserved by NBC in Digital: 317,418 (29.53%)

ARKANSAS Households unserved by FOX in Digital: 558,823 (51.99%)

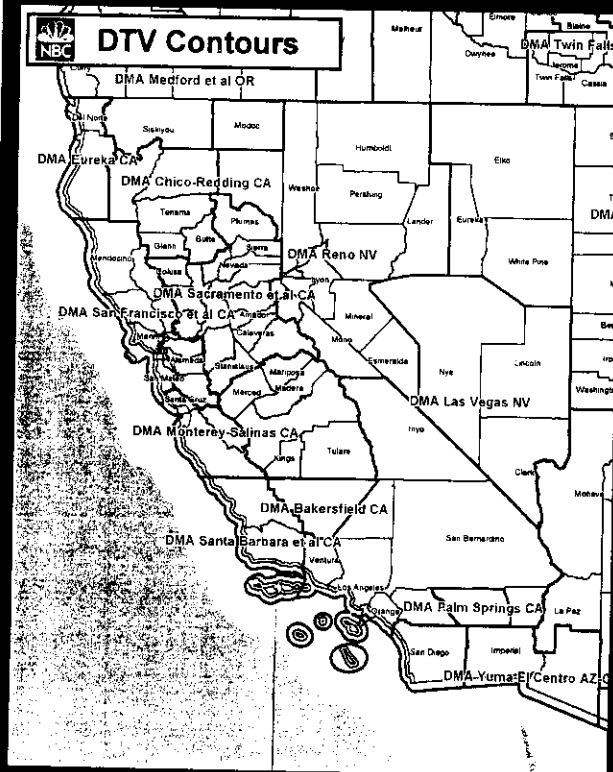
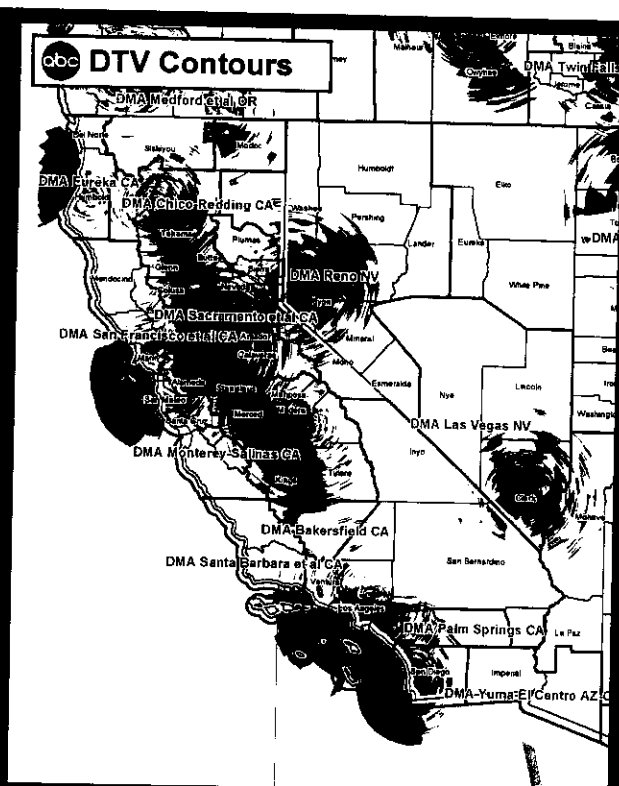
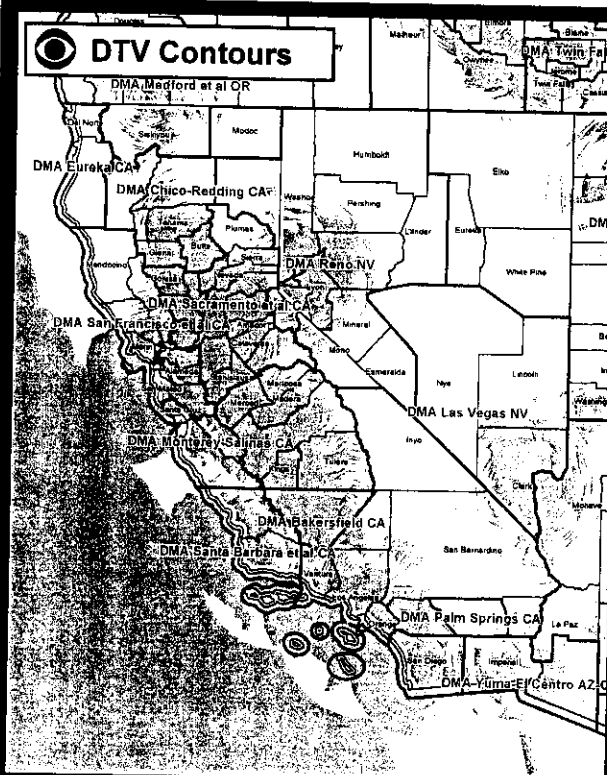
Digital TV Data:

All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

Generated DTV coverage profiles use guidelines set forth in Office of Engineering and Technology (OET) Bulletin 69, such as Longley-Rice propagation default settings and field strength km/m, dBu, per VHF and UHF bands. Longley-Rice parameters such as surface refractivity and conductivity are modified per region of the U.S.

DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

CALIFORNIA'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total CALIFORNIA Households: 12,020,949

Reception Snapshot

Households Receiving All 4 Stations: 27.0%
Households Receiving 3 or more Stations: 84.0%
Households Receiving 2 or more Stations: 89.0%
Households Receiving 1 or more Station: 93.0%

Digital White Area Snapshot

abc CALIFORNIA Households unserved by ABC in Digital: 2,275,791 (18.93%)
CBS CALIFORNIA Households unserved by CBS in Digital: 1,292,506 (10.75%)
NBC CALIFORNIA Households unserved by NBC in Digital: 7,143,884 (59.43%)
FOX CALIFORNIA Households unserved by FOX in Digital: 2,112,690 (17.58%)

Digital TV Data:

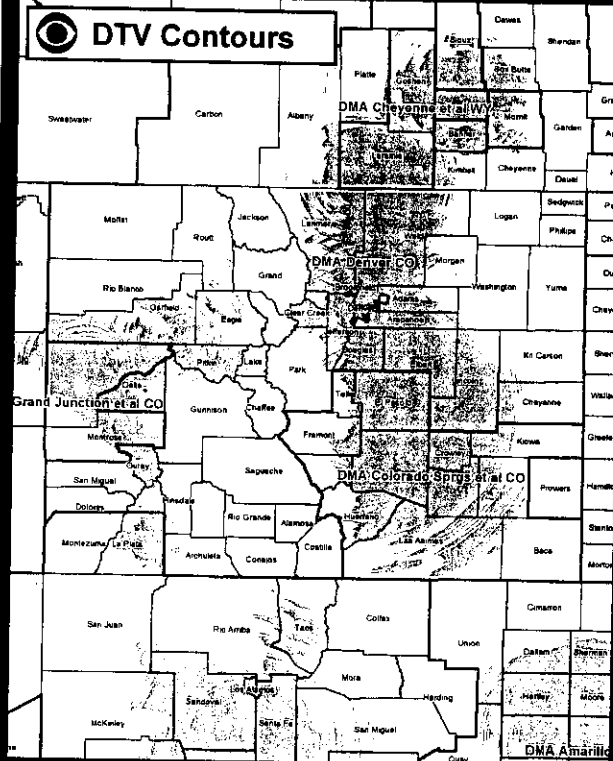
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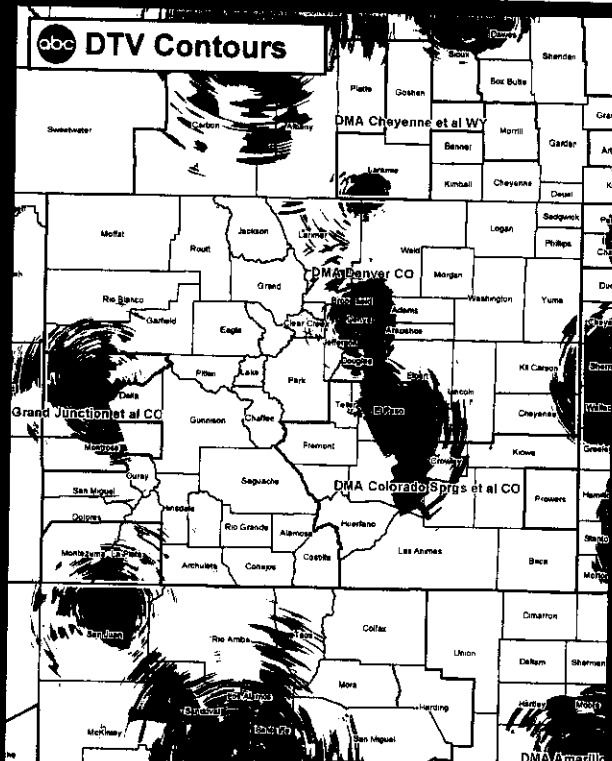
DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

COLORADO'S DIGITAL WHITE AREA

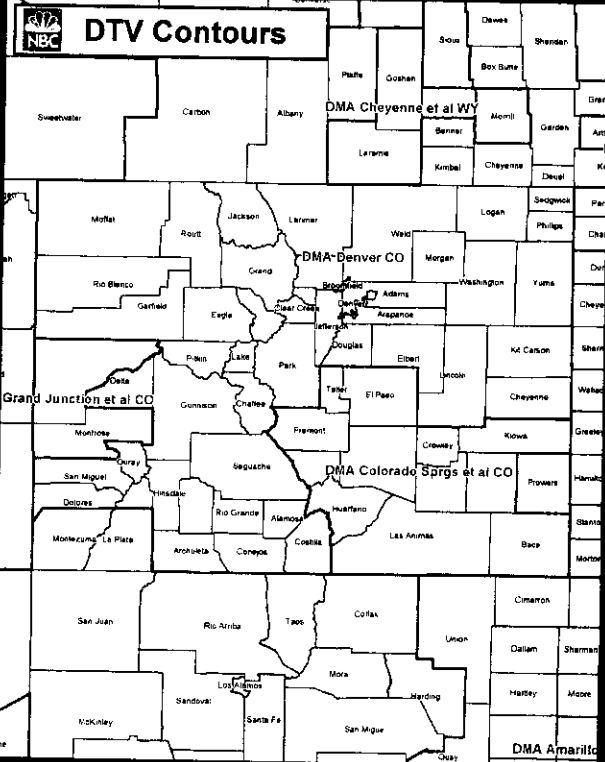
DTV Contours



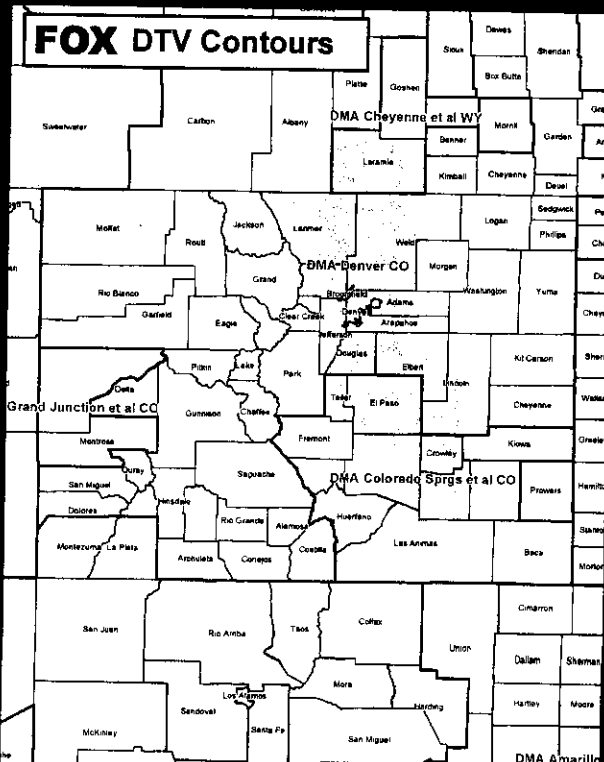
abc DTV Contours



NBC DTV Contours



FOX DTV Contours



County



DMA



States

Demographic Snapshot

Total COLORADO Households: 1,769,990

Reception Snapshot

Households Receiving All 4 Stations: 20.0%
Households Receiving 3 or more Stations: 69.0%
Households Receiving 2 or more Stations: 83.0%
Households Receiving 1 or more Station: 88.0%

Digital White Area Snapshot

abc COLORADO Households unserved by ABC in Digital: 576,022 (32.58%)
CBS COLORADO Households unserved by CBS in Digital: 238,569 (13.48%)
NBC COLORADO Households unserved by NBC in Digital: 708,342 (40.03%)
FOX COLORADO Households unserved by FOX in Digital: 956,958 (54.07%)

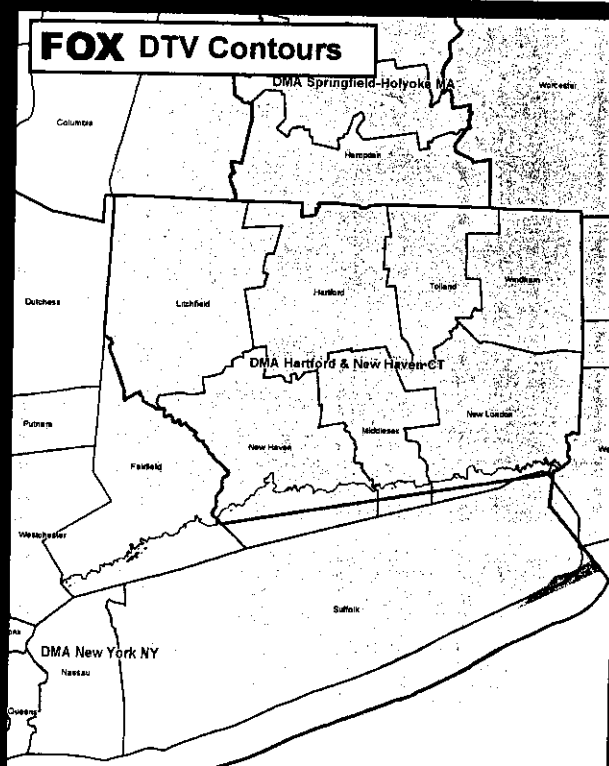
Digital TV Data:

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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

CONNECTICUT'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total CONNECTICUT Households: 1,342,470

Reception Snapshot

Households Receiving All 4 Stations: 87.0%
Households Receiving 3 or more Stations: 99.0%
Households Receiving 2 or more Stations: 100.0%
Households Receiving 1 or more Station: 100.0%

Digital White Area Snapshot

abc CONNECTICUT Households unserved by ABC in Digital: 18,985 (1.41%)
CBS CONNECTICUT Households unserved by CBS in Digital: 171,188 (12.75%)
NBC CONNECTICUT Households unserved by NBC in Digital: 11,010 (0.82%)
FOX CONNECTICUT Households unserved by FOX in Digital: 8,084 (0.6%)

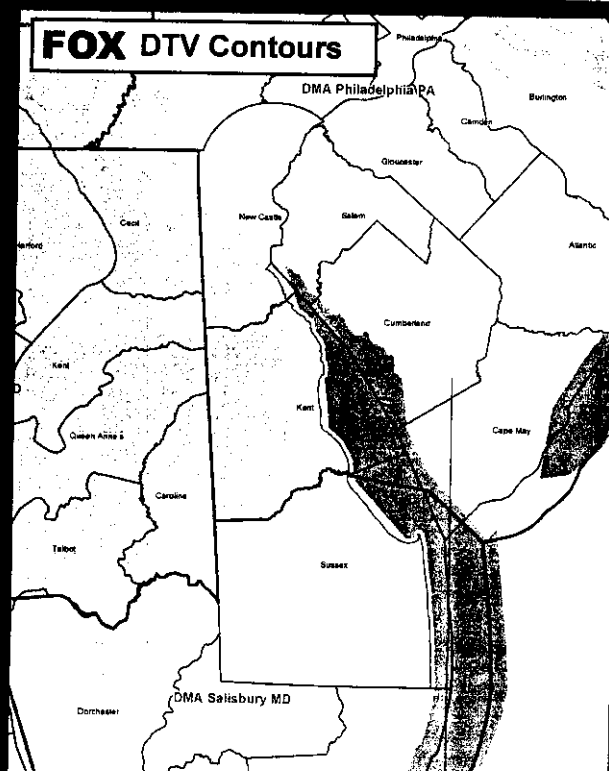
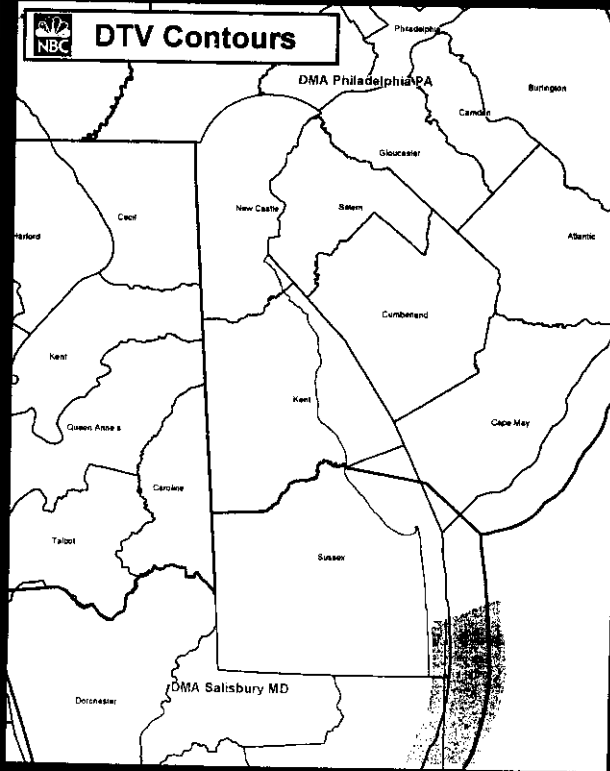
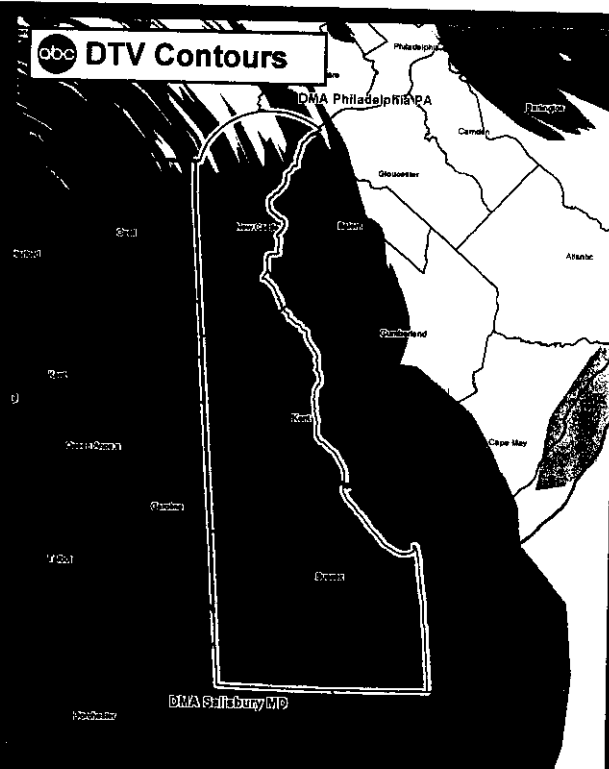
Digital TV Data:

All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

DELAWARE'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total DELAWARE Households: 315,022

Reception Snapshot

Households Receiving All 4 Stations: 17.0%
Households Receiving 3 or more Stations: 74.0%
Households Receiving 2 or more Stations: 82.0%
Households Receiving 1 or more Station: 99.0%

Digital White Area Snapshot

abc DELAWARE Households unserved by ABC in Digital: 29,187 (9.27%)
CBS DELAWARE Households unserved by CBS in Digital: 76,198 (24.19%)
NBC DELAWARE Households unserved by NBC in Digital: 28,593 (9.08%)
FOX DELAWARE Households unserved by FOX in Digital: 260,875 (82.81%)

Digital TV Data:

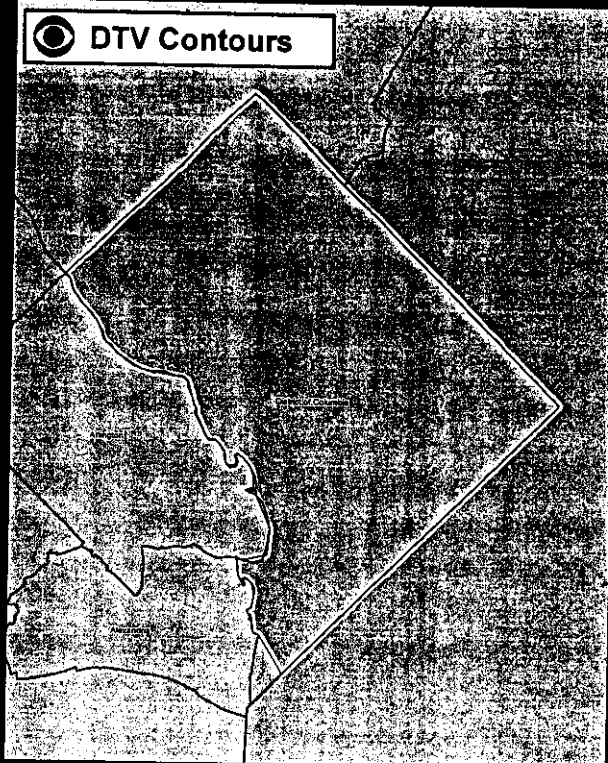
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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

DISTRICT OF COLUMBIA'S DIGITAL WHITE AREA

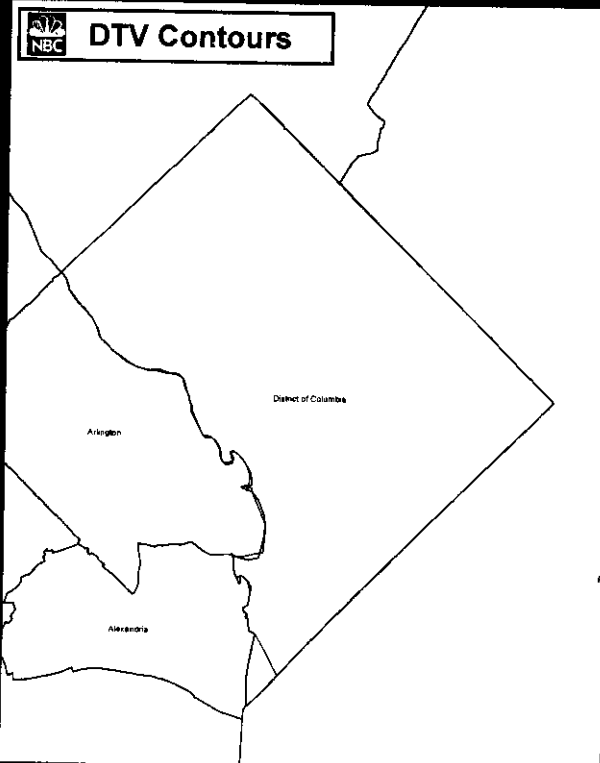
DTV Contours



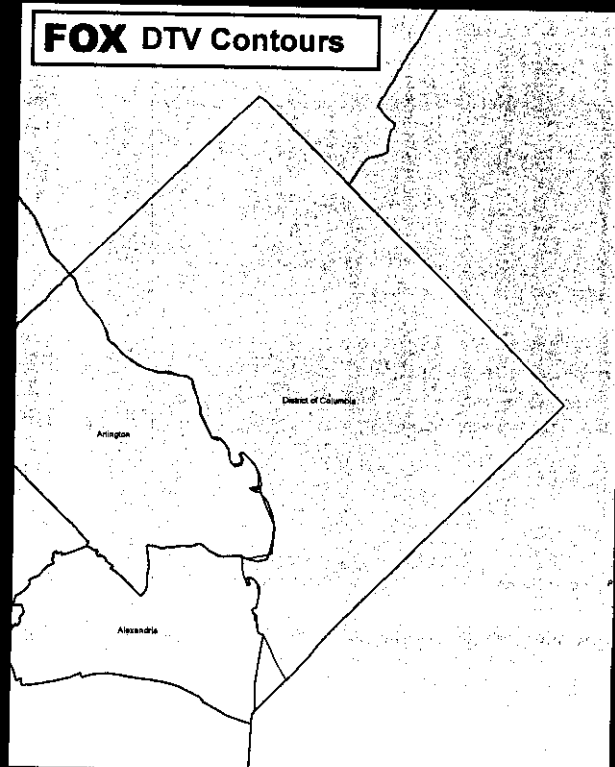
abc DTV Contours



NBC DTV Contours



FOX DTV Contours



County

DMA

States

Demographic Snapshot

Total DISTRICT OF COLUMBIA Households: 251,364

Reception Snapshot

Households Receiving All 4 Stations: 100.0%
Households Receiving 3 or more Stations: 100.0%
Households Receiving 2 or more Stations: 100.0%
Households Receiving 1 or more Station: 100.0%

Digital White Area Snapshot

abc DISTRICT OF COLUMBIA Households unserved by ABC in Digital: 0 (0.0%)
CBS DISTRICT OF COLUMBIA Households unserved by CBS in Digital: 0 (0.0%)
NBC DISTRICT OF COLUMBIA Households unserved by NBC in Digital: 0 (0.0%)
FOX DISTRICT OF COLUMBIA Households unserved by FOX in Digital: 0 (0.0%)

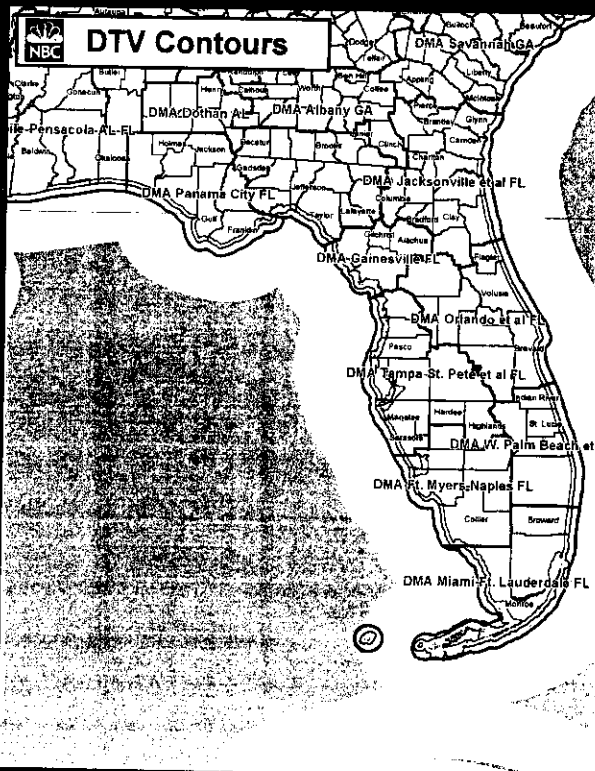
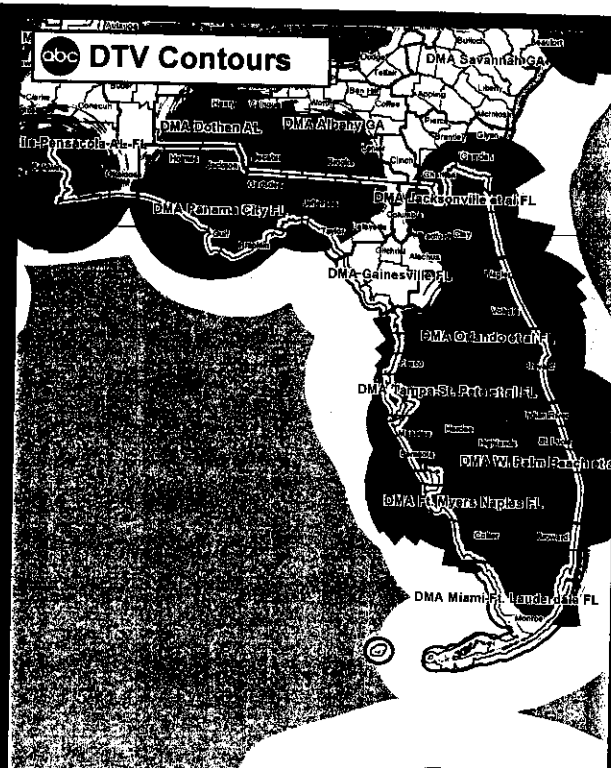
Digital TV Data:

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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

FLORIDA'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total FLORIDA Households: 8,788,448

Reception Snapshot

Households Receiving All 4 Stations: 83.0%
Households Receiving 3 or more Stations: 97.0%
Households Receiving 2 or more Stations: 100.0%
Households Receiving 1 or more Station: 100.0%

Digital White Area Snapshot

abc FLORIDA Households unserved by ABC in Digital: 241,746 (2.87%)
CBS FLORIDA Households unserved by CBS in Digital: 505,918 (7.46%)
Fox FLORIDA Households unserved by Fox in Digital: 249,311 (3.68%)
FOX FLORIDA Households unserved by FOX in Digital: 438,893 (6.45%)

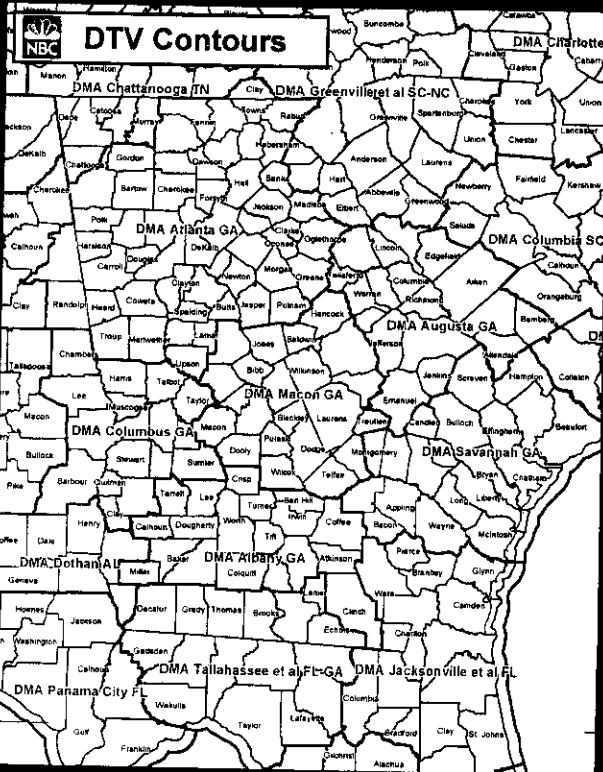
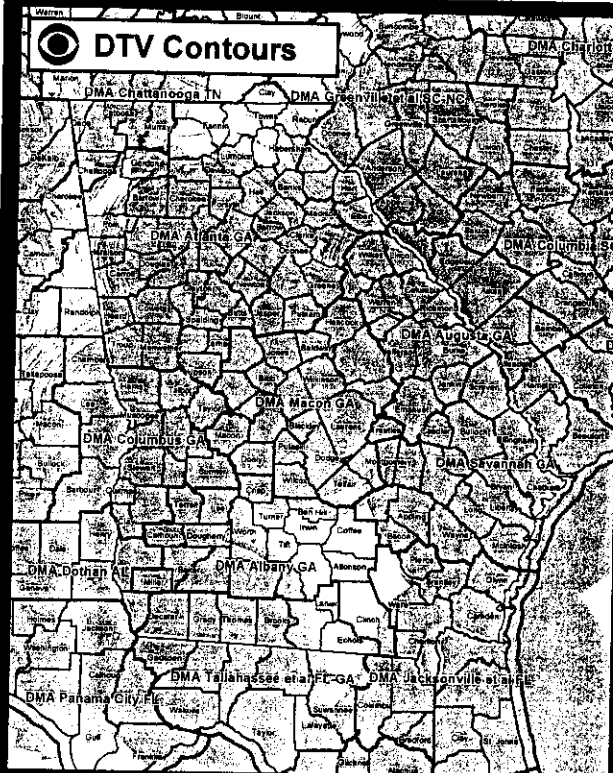
Digital TV Data:

All digital television (DTV) broadcast station data used to prepare the DTV/FCC coverage profiles is based on information provided publicly by the FCC website (www.fcc.gov).

Generated DTV coverage profiles use guidelines set forth in Office of Engineering and Technology (OET) Bulletin 89, such as Longley-Rice propagation default settings and field strength limits, dBu, per VHF and UHF bands. Longley-Rice parameters such as surface refractivity and conductivity are modified per region of the U.S.

DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

GEORGIA'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total GEORGIA Households: 3,217,888

Reception Snapshot

Households Receiving All 4 Stations: 73.0%
Households Receiving 3 or more Stations: 89.0%
Households Receiving 2 or more Stations: 94.0%
Households Receiving 1 or more Station: 98.0%

Digital White Area Snapshot

abc GEORGIA Households unserved by ABC in Digital: 601,300 (18.69%)
cbs GEORGIA Households unserved by CBS in Digital: 306,261 (9.52%)
my32 GEORGIA Households unserved by NBC in Digital: 210,324 (6.54%)
FOX GEORGIA Households unserved by FOX in Digital: 388,664 (12.08%)

Digital TV Data:

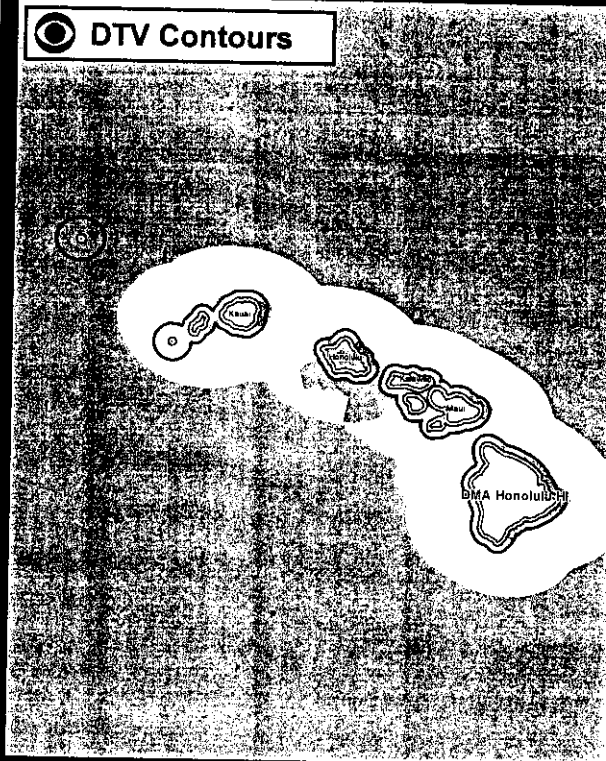
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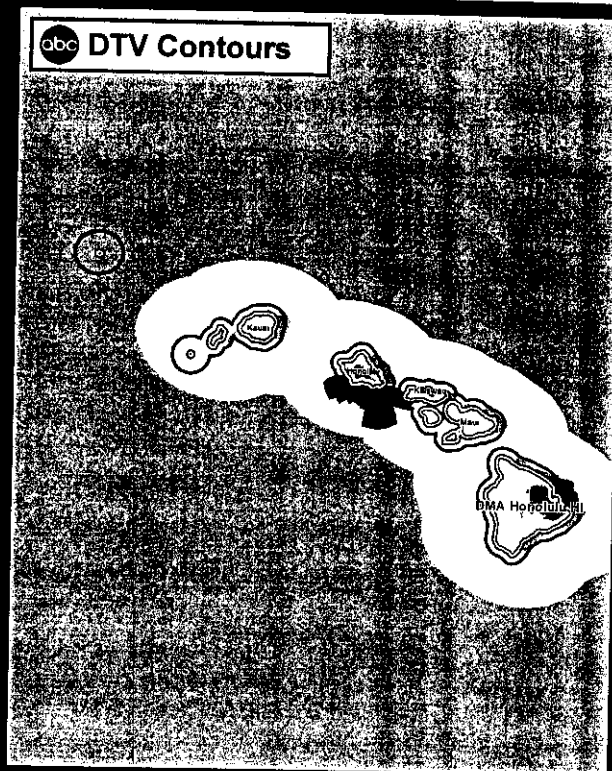
DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

HAWAII'S DIGITAL WHITE AREA

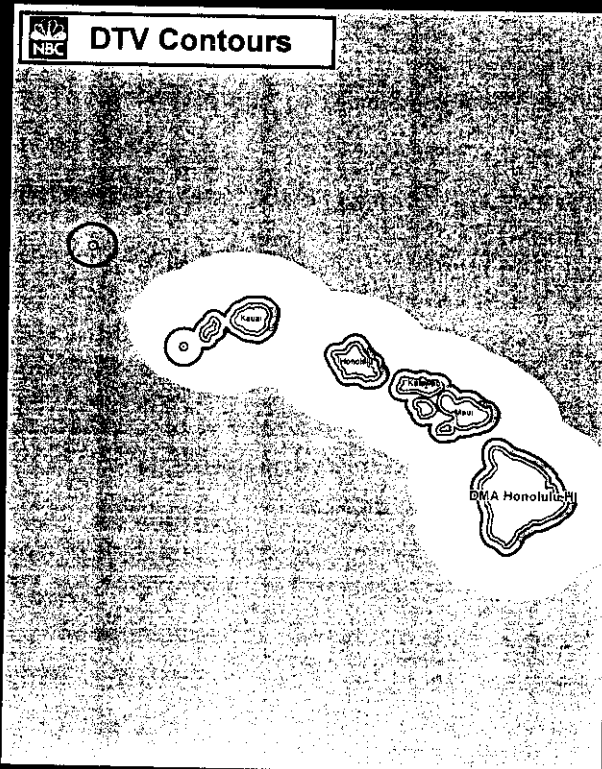
DTV Contours



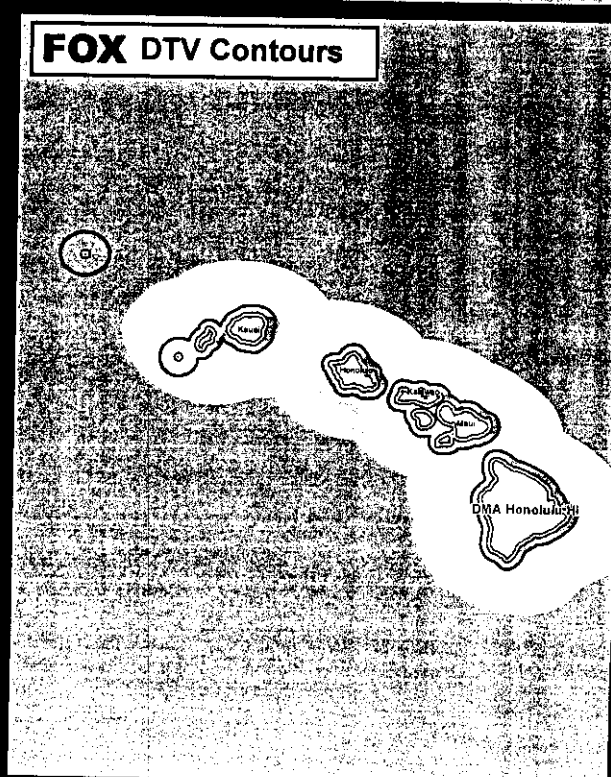
abc DTV Contours



NBC DTV Contours



FOX DTV Contours



County



DMA



States

Demographic Snapshot

Total HAWAII Households: 423,904

Reception Snapshot

Households Receiving All 4 Stations: 0.0%
Households Receiving 3 or more Stations: 48.0%
Households Receiving 2 or more Stations: 57.0%
Households Receiving 1 or more Station: 65.0%

Digital White Area Snapshot



HAWAII Households unserved by ABC in Digital: 184,179 (43.45%)



HAWAII Households unserved by CBS in Digital: 176,427 (41.62%)



HAWAII Households unserved by NBC in Digital: 395,585 (93.32%)



HAWAII Households unserved by FOX in Digital: 219,171 (51.7%)

Digital TV Data:

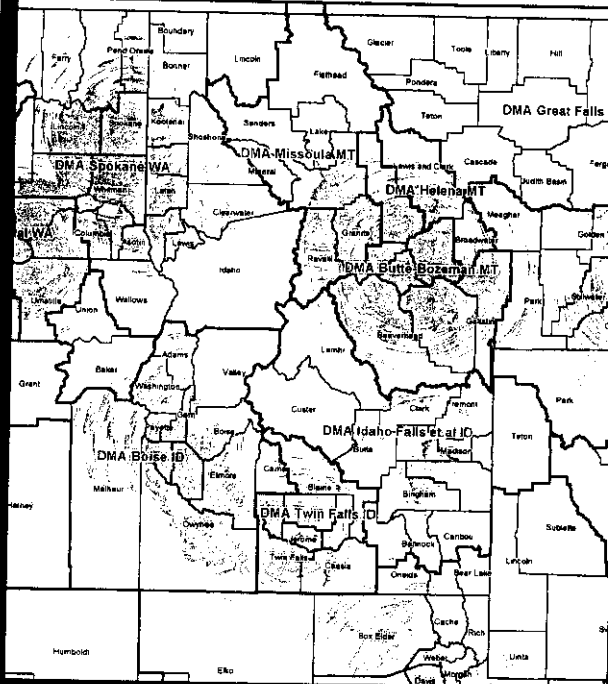
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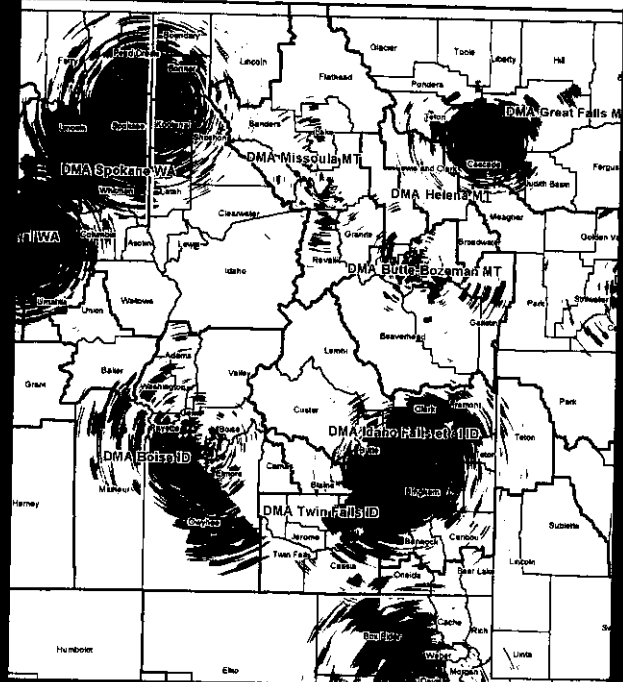
DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

IDAHO'S DIGITAL WHITE AREA

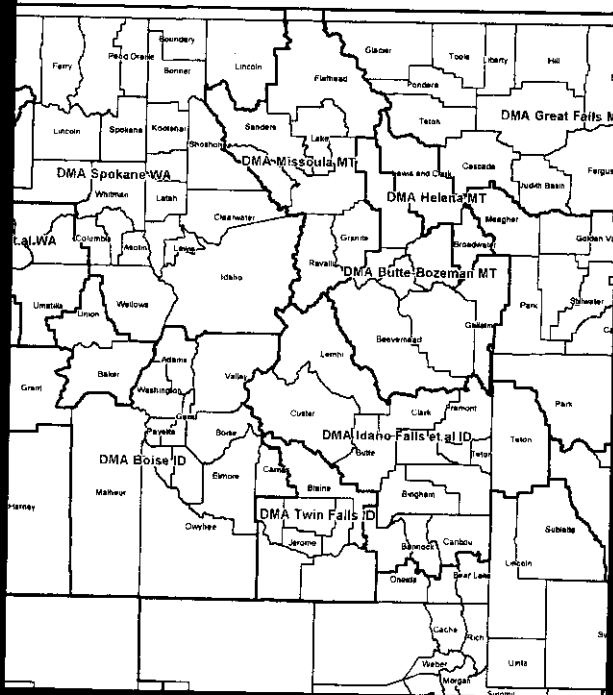
DTV Contours



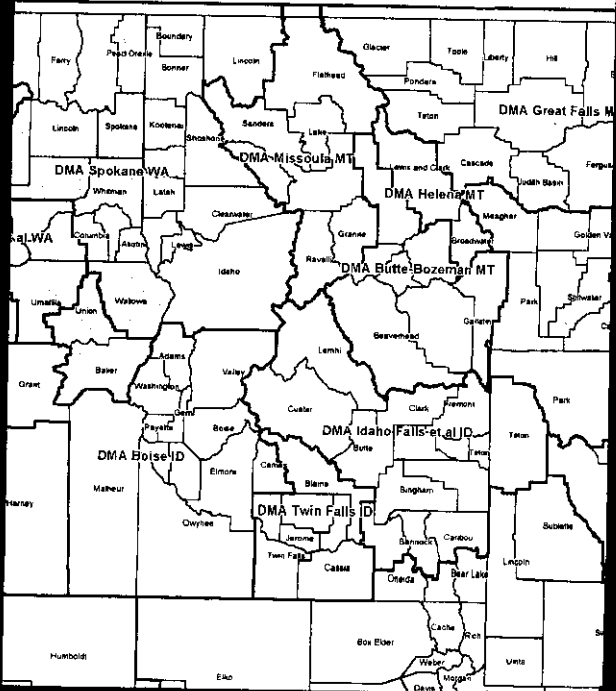
abc DTV Contours



NBC DTV Contours



FOX DTV Contours



County

DMA

States

Demographic Snapshot

Total IDAHO Households: 497,571

Reception Snapshot

Households Receiving All 4 Stations: 4.0%
Households Receiving 3 or more Stations: 56.0%
Households Receiving 2 or more Stations: 72.0%
Households Receiving 1 or more Station: 88.0%

Digital White Area Snapshot



IDAHO Households unserved by ABC in Digital: 138,688 (27.91%)



IDAHO Households unserved by CBS in Digital: 145,120 (29.17%)



IDAHO Households unserved by NBC in Digital: 165,908 (33.34%)



IDAHO Households unserved by FOX in Digital: 443,873 (89.21%)

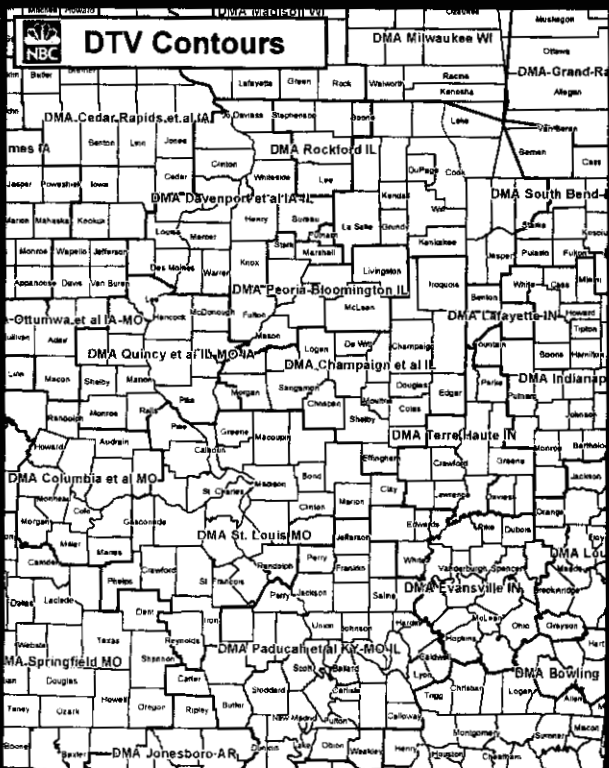
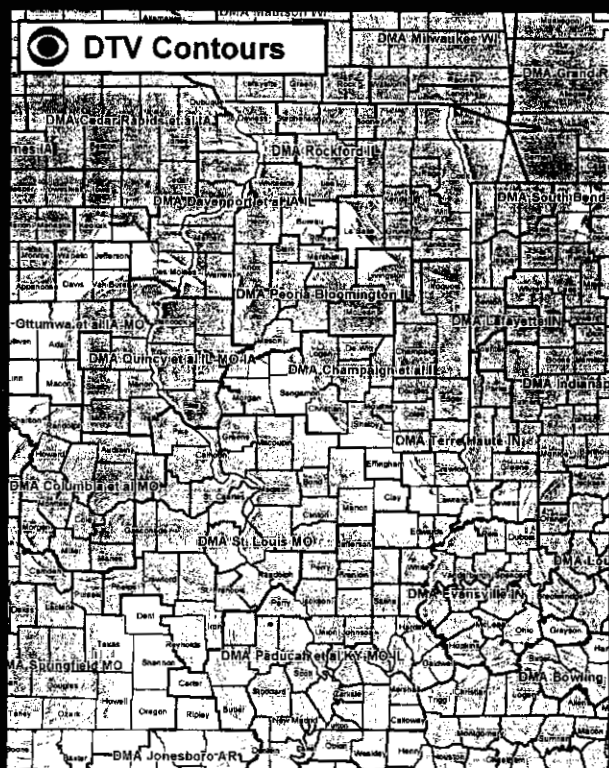
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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

ILLINOIS'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total ILLINOIS Households: 4,791,151

Reception Snapshot

Households Receiving All 4 Stations: 92.0%
Households Receiving 3 or more Stations: 98.0%
Households Receiving 2 or more Stations: 100.0%
Households Receiving 1 or more Station: 100.0%

Digital White Area Snapshot

ILLINOIS Households unserved by ABC in Digital: 87,615 (1.87%)
ILLINOIS Households unserved by CBS in Digital: 231,886 (4.83%)
ILLINOIS Households unserved by NBC in Digital: 47,187 (1.0%)
ILLINOIS Households unserved by FOX in Digital: 145,313 (3.09%)

Digital TV Data:

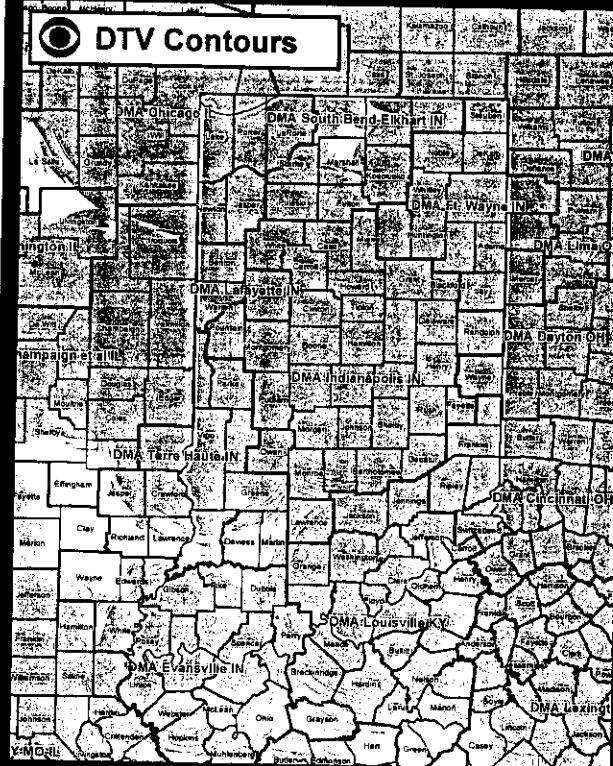
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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

INDIANA'S DIGITAL WHITE AREA

DTV Contours



abc DTV Contours



ABC DTV Contours



FOX DTV Contours



County



DMA



States

Demographic Snapshot

Total INDIANA Households: 2,406,388

Reception Snapshot

Households Receiving All 4 Stations: 77.0%
Households Receiving 3 or more Stations: 97.0%
Households Receiving 2 or more Stations: 99.0%
Households Receiving 1 or more Station: 100.0%

Digital White Area Snapshot



INDIANA Households unserved by ABC in Digital: 423,077 (17.59%)



INDIANA Households unserved by NBC in Digital: 71,426 (2.97%)



INDIANA Households unserved by FOX in Digital: 72,106 (3.0%)

Digital TV Data:

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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)

IOWA'S DIGITAL WHITE AREA



County
DMA
States

Demographic Snapshot

Total IOWA Households: 1,184,496

Reception Snapshot

Households Receiving All 4 Stations: 58.0%
Households Receiving 3 or more Stations: 84.0%
Households Receiving 2 or more Stations: 96.0%
Households Receiving 1 or more Station: 100.0%

Digital White Area Snapshot

abc IOWA Households unserved by ABC in Digital: 359,353 (30.38%)
CBS IOWA Households unserved by CBS in Digital: 124,298 (10.57%)
NBC IOWA Households unserved by NBC in Digital: 66,064 (7.39%)
FOX IOWA Households unserved by FOX in Digital: 180,070 (15.46%)

Digital TV Data:

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DATA SOURCE: PRIMUS GEOGRAPHICS (www.primusgeographics.com)